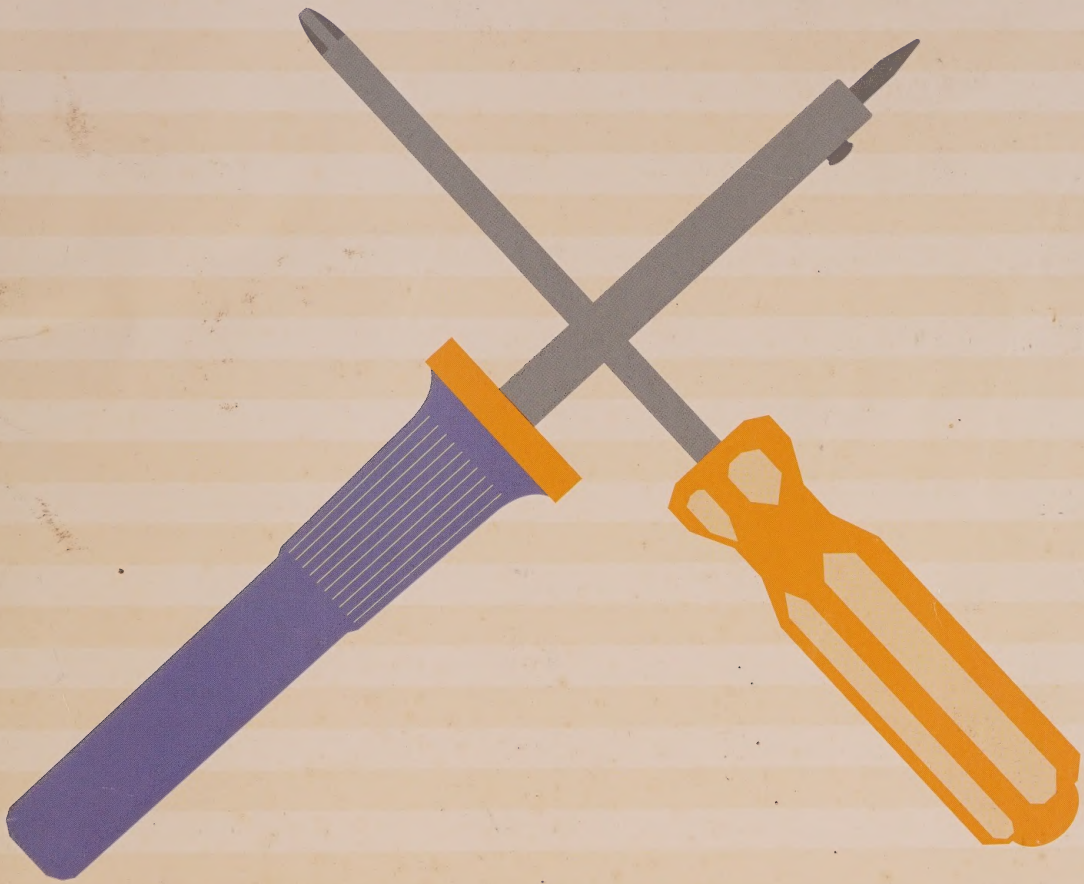
Hamvention®



MAKERS

Dayton • 2014

The Dayton Convention & Visitors Bureau Welcomes

HAMVENTION

DAYTON™

CONVENTION & VISITORS BUREAU

Be sure to enjoy the Greater Dayton area restaurants, attractions, and shops while you're here!

For more information contact us today at 800-221-8235 or daytoncvb.com.

Welcome to the 2014 Dayton Hamvention
Makers... The Future of Ham Radio

Dear Hamvention Visitors,

Welcome to Dayton, Ohio and the 2014 Dayton Hamvention.
Whether you're a first-timer or a long time attendee, we hope you find this year's annual gathering a thoroughly enjoyable and worthwhile experience. This annual event has taken place each year since 1952, and we are certainly pleased you made it here to share with us the Dayton Hamvention 2014.

Sponsored by the Dayton Amateur Radio Association (DARA), the annual gathering is a totally volunteer activity - from the General Chairman to the other 400-plus folks it takes each year to make this major international amateur radio event a reality. While we do lease the buildings from the Hara facility and hire security, fire, EMS, and other peripheral support services, the overwhelming majority of the effort is simply a labor of love on the part of volunteer amateurs from around the globe, as well as the many here in Dayton. Planning for this year's event started immediately after the doors closed on the last Hamvention, and I would urge you to take the opportunity to thank all of our volunteers – the ones who make it happen. The crew works hard throughout the year to plan and produce what we consider one of the best annual events in the world of amateur radio.

So, while you are here in Dayton, make new friends, catch up with old ones, see what's new, attend the forums, and just enjoy yourself. But most of all, we hope you and yours find the visit exciting and enjoyable - as well as informative. So, thank you for attending and we hope you depart with a wealth of great and treasured memories.

Best and 73,
Charles Kaiser, KD8JZR
General Chairman

Charles Kaiser, KD8JZR
General Chairman

Jim Tiderman, N8IDS
Assistant General Chairman

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Publication Deadline

Information to be included in the Hamvention Program must be submitted to the Hamvention committee **program@hamvention.org** no later than April 1 of the publication year.

Design and Layout

Program was created by Chuck Wright, K8MDB

The Dayton Hamvention Program is published by the Hamvention Committee. Permission is granted for reprinting articles, provided credit is given to the original author and the Hamvention Program.

Souvenir Program Committee

Chair ..... Jerry Miller, WD8QAI
Asst. Chair ..... Barb Holmes, N8EYW
Proofreaders ..... Ron Cramer, KD8ENJ
Tom Holmes, N8ZM
Jim Shaw, AL7BA

The Dayton Amateur Radio Association (DARA) and Hamvention fully support and are committed to the objectives of the Americans with Disabilities Act (ADA). We strive to provide equal opportunity to all ADA qualified persons who participate in Hamvention®. Our objective is to provide access to the event and we expect nothing less of those who provide building facilities, exhibits and services at our event.

Activities & Times

FRIDAY ACTIVITIES

8:00 a.m. - 6:00 p.m.	Flea Market open. Bus service available starting 7:00 a.m. (Buses are scheduled to pick up passengers at 7 a.m. to arrive at HARA by 8 a.m.) Programs available at all ticket selling points & DARA Booth.
9:00 a.m. - 6:00 p.m.	Inside Exhibits open, prizes on display, and exams.
9:15 a.m. - 5:00 p.m.	Forums and scheduled activities.
11:00 a.m. - 6:00 p.m.	Hourly prize drawings.

SATURDAY ACTIVITIES

8:00 a.m. - 5:00 p.m.	Flea Market open. Bus service available.
9:00 a.m. - 5:00 p.m.	Inside Exhibits open.
9:15 a.m. - 5:00 p.m.	Forums and scheduled activities.
9:00 a.m. - 3:00 p.m.	Hourly prize drawings.

SUNDAY ACTIVITIES

8:00 a.m. - 1:00 p.m.	Flea Market open.
8:00 a.m. - 3:00 p.m.	Bus service available.
9:00 a.m. - 1:00 p.m.	Inside Exhibits open, prizes on display.
9:00 a.m. - 12:00 p.m.	Hourly prize drawings.
9:15 a.m. - 12:00 p.m.	Forums and scheduled activities.
1:00 p.m.	Award Winners' Presentation in Hara Arena.
1:00 p.m.	Prize Drawing in Hara Arena (unclaimed hourly prizes, followed by main prizes). Bus Service will be available for a short time after the main prize drawing.

Tickets

Full-price tickets are available at the Hara Arena Box Office (Door #14) and the East Hall (Door #27) during the times shown below. A General Admission ticket is required to enter both the Inside Exhibits and the Flea Market. The tickets are $25.00 and valid for all three days. All persons over 12 years of age attending the Hamvention are required to have an admission ticket. Special free student tickets are available for students through high school.

Bus tickets for transportation between the Remote Parking at the former Salem Mall and Hara Arena will be available at the Remote Parking Site under the Bus Ticket Sales tent. 3-day passes will be available on Friday for $8. 2-day passes will be available on Saturday for $6. A Sunday only 1-day pass will be available on Sunday for $4. Children under 45" or under 12 years of age can ride the bus, with an accompanying adult, free of charge.

Ticket Sales Hours

Friday	7:00 a.m. to 6:00 p.m.
Saturday	7:00 a.m. to 5:00 p.m.
Sunday	8:00 a.m. to 12:00 p.m.

Services

BAGGAGE CHECK

Baggage (boat anchors) can be checked for $3.00 per claim. The Baggage Check Room is located across the hall from Forum Room 3, just inside Conference Center entrance (Door #6) on the left. All items must be reclaimed by closing time each day. No overnight storage is permitted. Time is extended to 3:00 p.m. on Sunday.

BANKING SERVICES

Local banks are located near the former Salem Mall area. (See map on page 42.) An ATM is located to the right of Hara Arena's front door and opposite booth 483 (See map on pages18-19.)

DARA BOOTH/MEMBERSHIP

The DARA Booth is located in the lobby of Hara Arena. Programs are available. DARA membership is located inside of Door 14 (Map 18-19).

EMERGENCY MEDICAL CARE

On-site Emergency Medical Services are located to the right of the Conference Center Entrance. See the Inside Exhibits Map on Pages 18-19.

Emergency care is also available from the following:

Doctors' Urgent Care
5915 N. Main Street, (937) 278-3826
8:30 a.m. - 10:00 p.m.

From Hara Arena: take Shiloh Springs east to traffic light at Main St. Turn left to second building on left.

Good Samaritan Hospital
2222 Philadelphia Dr., (937) 734-2612

From Hara Arena: take Wolf Road to Salem Ave. Turn left, proceed to the traffic light at Philadelphia. Follow signs to ER Entrance.

LOST & FOUND

The DARA Booth, located in the Hara Arena Lobby, will accept lost items. Items can be retrieved at this location the day the item was lost. To retrieve lost items later, please go to Hara Arena Box Office.

MESSAGE CENTER

Leave a message for your friends by submitting their call sign and message at the DARA Booth in the Hara Arena lobby. Prize monitors throughout the arena complex will periodically list "message holding" by call sign.

LICENSE EXAMS

Testing this year is at Basore Road Grace Brethren Church for Technician, General and Extra Class Amateur licenses. Friday May 16 testing starting at 10:00 a.m. to noon is available to anyone who does not already have an amateur license. Testing from noon until 5:00 p.m. on Friday is for all classes of licenses. Saturday, May 17, starting at 10:00 a.m. until 4:00 p.m. testing is for all classes of licenses.

Shuttle vans will be at main entrance door #14 to the Arena. Signs will be at the area where the shuttle vans will load and unload. They will have signs in their windows. They will run every half an hour starting at 8:30 both Friday and Saturday. It is a very short ride.

The Basore Road Grace Brethren Church besides hosting the exams this year, has a parking area that they are charging to park in and will have food available to purchase. You can ride the shuttle van to the church (at no charge) to buy food from them.

Exams will be given on a first-come, first-served basis. **No Pre-registration** is available unless special testing accommodation is required. Large print exams will be available at the regular test sessions. If you need your exam read to you, please email (exams@hamvention.org) and let us know how we can accommodate you and which session you would like to attend. **There is no fee for these exams**.

Each applicant must have the following:

1) The original current amateur radio license (to show us and a copy for file).
2) The original and a copy of any CSCE or other paperwork which will be submitted for credit.
3) A government-issued photo ID (e.g. driver's license)

SHIPPING SERVICE

The UPS Store offers freight service from the floor of Hamvention, near the North Hall entrance (Door #20) Booths 165 & 166. See map on Pages 18-19. Hours are as follows:

Friday	9:00 a.m. - 6:00 p.m.
Saturday	9:00 a.m. - 5:00 p.m.
Sunday	9:00 a.m. - 1:00 p.m.

SPECIAL EVENT STATION

Hamvention will broadcast to the world via the Special Event Station, (Centennial Celebration Station) W100AW in the Ball Arena.
The station will be operating during the hours of the inside exhibit area. Frequencies (+/- QRM) will be:

40M - 7.050 / 7.227
20M - 14.050/ 14.270
10M - 28.050/ 28.470

Times 9:00 a.m.-6:00 p.m. EDT Friday & Saturday and 9:00 a.m.-11:00 a.m. EDT Sunday. CW will be tried on the hour as conditions permit. The station will have a paddles for CW. The special event station will be utilizing TEN-TEC Omni VII radios this year.
For QSLs and certificates, please contact ARRL.
To operation the station you must have a copy of your license.

Transportation & Parking

TALK-IN FREQUENCIES

For directions and assistance in the Dayton area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-) with a backup frequency of 146.64(-). Dayton hams also monitor 223.94 (-) and 442.1 (+).

FREE PARKING & BUS SERVICE

Satellite Parking - at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. Bus Service (Handicap Equiped) is provided to and from Hamvention. Buses run continuously starting at 7:00 a.m. and complete their routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible. three-day passes will be available on Friday for $8. two-day passes will be available on Saturday for $6. A Sunday only one-day pass will be available on Sunday for $4. Bus tickets may only be purchased at the Salem Mall parking area under the Bus Tickets Sales tent and cannot be purchased at Hara Arena. Keep your bus ticket, as there is no limit on the times you may ride the bus per day.

PAID PARKING

Hamvention has no paid parking available at the Arena. The only Hamvention sponsored parking is the former Salem Mall parking lot with bus service. There is adjacent parking available from private parties near the HARA but these are not controlled by Hamvention.

TRUCK & TRAILER PARKING

Semi-trucks and/or trailers, other over-sized vehicles, and large self-contained vehicles can park in designated areas at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. No overnight parking or camping is permitted. All vehicles must be removed by 9 p.m. each night. The Trotwood police department will enforce the no overnight parking rule.

Future Hamvention® Dates

May 15, 16, & 17, 2015
May 20, 21, & 22, 2016
May 19, 20, & 21, 2017

CAMPER PARKING

Campers, trailers, self-contained vehicles, or vehicles that require more than one space can park at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. From there you may take the bus to Hara Arena. three-day passes will be available on Friday for $8. two-day passes will be available on Saturday for $6. A Sunday only one-day pass will be available on Sunday for $4. No overnight camping is allowed in the former Salem Mall parking lot.

TEMPORARY LOADING PASS

A temporary loading pass may only be obtained from the guard at Entrance 1 during the show (see map on Page 23). This restricted loading pass will be valid for 20 minutes and will allow you to use a designated area to load and unload equipment, or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at the exit when you leave.

Golf Cart Services

The Golf Cart Committee continues to provide no-cost shuttle rides for customers to/from the ADA parking area and the main arena from 7:00 a.m. - 6:00 p.m. For safety reasons, we do not take passengers in and out of the flea market area. However, if you are in the flea market and you purchase a large or heavy item we do provide hauling service based on availability. To ask for such assistance, please visit the flea market office and we will assist you ASAP. Please understand there may be a delay as we are sometimes assisting other customers.

Scootaround
Mobility Product Rentals

SCOOTERS

Arrangements may be made by contacting Scootaround Inc. toll-free at 1-888-441-7575, by email at info@scootaround.com, through their website at www.scootaround.com, or by fax at (204) 478-1172. Rental rate is $165.00 based on a three-day period. Equipment will be available on site based on availability for $65.00 a day. Advance reservations are encouraged. To pick up your scooter, please go to Door 26, see map on Pages 18-19.

TAXI INFORMATION

Miami Liberty Cab	937-222-2822
Checker Cab	937-222-4011
Antons	937-252-4756
Air City Cab	937-252-4444

ADA PARKING

Hamvention does not have any public parking immediately at HARA Arena; however, it has been our desire and policy for many years to accommodate those individuals with special needs. We are very sensitive to those needs and have gone well beyond all regulations to secure (at extra cost to Hamvention) a limited number of spaces for these needs. Unfortunately, the demand for ADA/Handicapped parking continues to grow dramatically each year, and we simply are unable to accommodate everyone who requests a space.

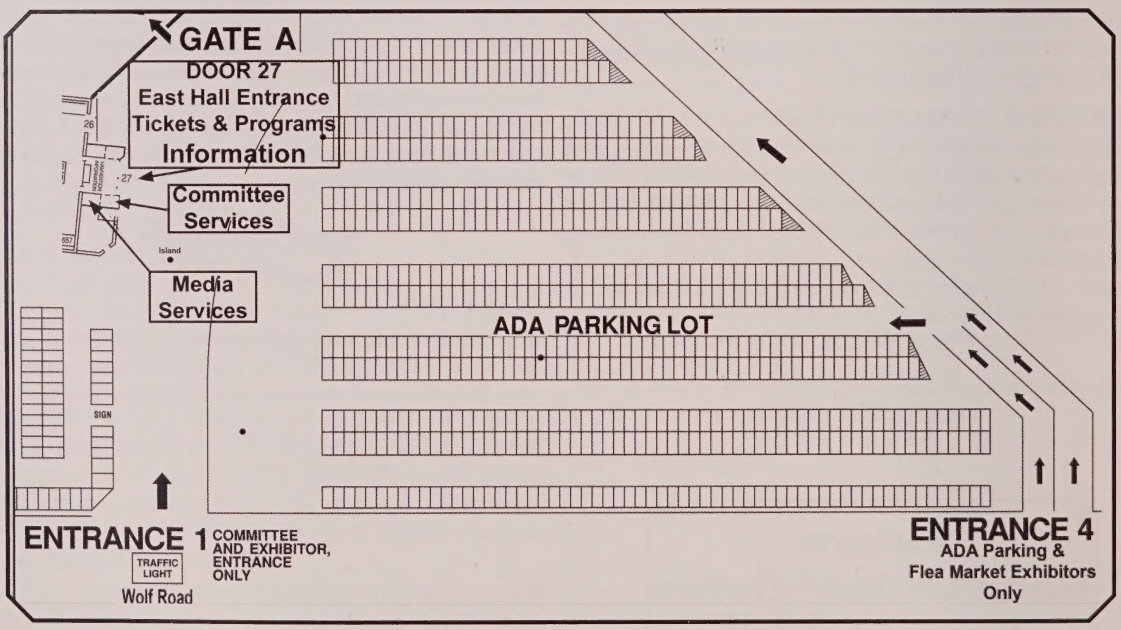
Therefore, as in past years, we require that you send with your ticket request a copy of your state issued ADA parking certificate and registration, along with an SASE, and we will process your request in the order in which it is received. Please remember, there are a very limited number of ADA/Handicapped parking spaces available, so get your request in early.

We have set aside 20 "Reserved" ADA Parking spaces for those individuals who were unaware of/or choose not to follow our recommendation to register early. Please understand if you choose to wait and just come to the show, the probability that you will find no ADA/Handicapped spaces available is extremely high.

Again, we STRONGLY urge you to send in your request early and in advance of the show.

The ADA parking fees remain the same as last year: $10.00 per day per car and $30.00 per day for campers, etc, payable at the gate. (Please note: Overnight campers, etc., are not permitted at Hara Arena.)

Please note: The buses running from Remote Parking to Hara Arena front entrance are ADA equipped.



Committee and Exhibitor Only Entrance
No left turn allowed from East Bound Traffic on Shiloh Springs
Enter from Wolf Road or West Bound Shiloh Springs

Welcome

NAN WHALEY
MAYOR

OFFICE OF THE MAYOR
CITY HALL • 101 WEST THIRD STREET
P.O. BOX 22 • DAYTON, OHIO 45401
(937) 333-3636 • www.daytonohio.gov

April 21, 2014

Greetings From The Mayor

Dear Friends:

On behalf of the City of Dayton, I am pleased to welcome the members of Hamvention held May 16-18, 2014 in Dayton, Ohio.

While we understand your focus during this event is to foster old friendships and develop new relationships, we also hope you will find the time to learn about our city.

Dayton is home to the Wright Brothers and the "Birthplace of Aviation;" therefore, it is only natural that many of our attractions would feature our aviation heritage. You can learn about the history of flight by visiting the Dayton Aviation Heritage National Historical Park, the Aviation Trail and the United States Air Force Museum, just to name a few.

I extend my very best wishes for a rewarding and memorable event in 2014 and beyond.

Sincerely,

Nan Whaley
Mayor
City of Dayton

TROTWOOD
Together We Are Creating a Bright Future

3035 Olive Road • Trotwood, Ohio 45426-2660
Phone: (937) 837-7771 • Fax: (937) 854-8574
www.trotwood.org

Michael J. Lucking, City Manager
Quincy E. Pope, Sr., Public Safety Director/Deputy City Manager

Trotwood City Council
Joyce Sutton Cameron, Mayor
Barbara J. Skaggs, Vice-Mayor, At-Large
Bettye L. Gales, Ward 1
Rap Hankins, Ward 2
Ron Vaughn, Ward 3
Mary A. McDonald, Ward 4
Bruce D. Kettelle, At-Large
Sandy Riege, CMC, Clerk of Council

Greetings
To All Hamvention Attendees
May 16-18, 2014

City of Trotwood, Ohio
Joyce S. Cameron
Mayor of the City of Trotwood

On behalf of the City of Trotwood, Ohio, I am pleased to extend Greetings and a warm Welcome to members of Hamvention to Trotwood, Ohio and the Greater Dayton area. The City of Trotwood and Dayton are very proud of this event and Hara Arena as its venue for well over 37 years.

Trotwood and Dayton are partners in its focus during this event to foster old friendships and develop new relationships. Come and enjoy the many attractions to be found in the region.

I extend my very best wishes to you for a regarding and memorable event in 2014 and beyond.

Sincerely,

Mayor Joyce Sutton Cameron
City of Trotwood, Ohio

MONTGOMERY COUNTY

MONTGOMERY COUNTY
ADMINISTRATION BUILDING

451 West Third Street
P.O. Box 972
Dayton, Ohio 45422-1110

COUNTY COMMISSIONERS
Judy Dodge
Dan Foley
Deborah A. Lieberman

COUNTY ADMINISTRATOR
Joseph P. Tuss

Greetings To:

All Participants of the
Dayton Hamvention
May 17-19, 2013

As Commissioners of Montgomery County, we would like to welcome you to our region for participation in the Dayton Hamvention Convention. We believe the offerings of Dayton and Montgomery County will be enjoyable for you and, most importantly, all the attendees of your convention.

As you will discover, this area is rich in heritage, history, culture, and diversity. Our fine museums, attractions, shopping, and dining establishments will undoubtedly prove their outstanding reputations to you during your stay.

While you travel about the Dayton region, we believe you will realize the many advantages of selecting this area for your event. We stand ready to support all of your efforts and are certain you will find equal enthusiasm from our Convention & Visitors Bureau as well as the entire hospitality community.

Again, we welcome you to Dayton/Montgomery County and look forward to your return visit.

Sincerely,

Dan Foley
Commission President

Deborah A. Lieberman
Commissioner

Judy Dodge
Commissioner

Hamvention® Phone Numbers

Emergency (937) 276-6930

Inside Exhibits (937) 276-6931

Flea Market (937) 276-6932

Comments Invited!

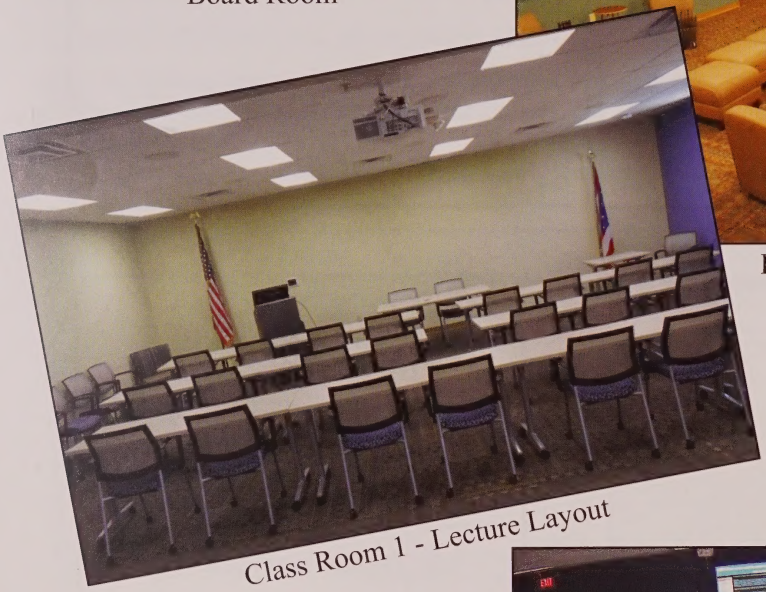
Comments on your experiences at the Dayton Hamvention® should be addressed to the following:

General Chairman
Dayton Hamvention®
P.O. Box 964
Dayton, Ohio 45401-0964

DARA Club House

Board Room

Lounge & Kitchenette



Class Room 1 - Lecture Layout

Class Room 2 The - Makers' Room

Youth DX Expeditions

Site for the 2014 Youth DX Expedition is PJ2T on Curacao in the Caribbean

The following photos were taken from a previous trip to TI5N in Costa Rica.

(l to r): Rachel Hock, KD8FOB, Christina Crawford, KD8DGL
Standing: Jim Storm, AB8YK, Don DuBon, N6JRL

(l to r) Andrea Rollert, KD8FNY,
Christina Crawford, KD8DGL

(l to r) Andrea Rollert, KD8FNY,
Wynn Rollert, W6CDR

Affiliated Events

Multi-Day Events

QRP Amateur Radio Club International

"Four Days In May" – FDIM 2014, a convention for QRPers, home constructors, experimenters, and backpackers
Venue: Holiday Inn, Fairborn, OH
Schedule: Thursday, May 15
8.00 a.m. to 4.30 p.m. A day of Seminars
4.30 p.m. The annual Buildathon
7.00 p.m. Ten-Tec Presentation
8.00 p.m. Vendor evening
Friday, May 17
8.00 p.m. QRP Club Night
Saturday, May 18
7.30 p.m. Grand Banquet, Raffle, Prize Draws, and QRP Hall of Fame induction
The seminar, Buildathon, and banquet are ticket only. Register online for the seminar to be entered in a draw to win one of four Ten-Tec transceivers ! Walk-in registrations should be available Wednesday night and Thursday morning.

We also have buses running from the hotel entrance to the Hara entrance on Friday and Saturday ($15 to cover both days) Website: Four Days In May (FDIM) info can be found at www.qrparci.org/fdim
Contact: Further info from Steve Fletcher, G4GXL - vp@qrparci.org Website: www.fdim.qrparci.org
Enquiries to: fdim@qrparci.org

2014 Contest Super Suite

Wednesday, May 14 thru Saturday, May 17
7 p.m. - 2 a.m. each night
Crowne Plaza, Dayton OH
2nd floor – Harding McKinley Garfield, and Harrison Rooms

Free Pizza Party every night! Welcome all contesters and DXers. Cash bar available. http://contestsupersuite.com
Friday, May 16
10:30 p.m. Spurious Emission Band performs live
11 p.m. Pizza Party Sponsored by the Potomac Valley Radio Club.
Saturday, May 17
11 PM Pizza Party Sponsored by the Yankee Clipper Contest Club

Dayton D-STAR Repeaters:
147.105+ W8RTL^^C and
443.0500+ W8RTL^^B. Excellent handheld coverage at HARA and all of Dayton.
145.270- W8HEQ^^C and
444-0875+ W8HEQ^^B. (In northeast suburb of Huber Heights) Recommend high power with hand held outdoors at Hamvention® HARA Arena.

Analog Repeaters

Good coverage analog repeaters are:
146.940- Tone 123 Hamvention® Talk-In
146.910- Hamvention® Talk-In backup frequency
146.640- Tone 123 Skywarn Weather
145.110- Tone 67 ARES
146.820- Tone 77 Good coverage Dayton area
147.360+ Tone 77 Good coverage Dayton area
442.100+ Tone 123 Good coverage Dayton area
442.925+ Tone 123 Excellent coverage Dayton area
442.950+ Tone 118.8 Huber Heights

Friday

D-STAR InfoCon 2014 – D-STAR training

D-STAR's premier training event returns to Dayton Hamvention 2014 with an all new class for those just getting started in D-STAR and those looking to add to their D-STAR experience. The class will be given by the experienced instructors of the Georgia D-STAR group who have presented seminars and training across the country. The three-hour class begins at 8:00am on Friday, May 16, on the first day of the Dayton Hamvention 2014 and will be held at the Drury Inn in the heart of the Hamvention hotels at 6616 Miller Lane. The cost of the class is only $15.00.

The class will cover topics of interest to beginning D-STAR users including D-STAR basics, D-STAR user registration process, getting started with your D-STAR radio, programming your D-STAR radio, using DR mode for easy D-STAR operation, updating your memories, and linking to repeaters and reflectors.

More experienced users will enjoy using the DV Dongle and DV Access Point (DVAP), making and using a Hotspot with a Raspberry Pi, D-STAR Nets and Reflectors, using D-STAR data capabilities including D-RATS, and where to find D-STAR ResourcesDemonstration and instruction on the new Icom ID-5100A mobile radio will be included.Your class fee of $15.00 includes all course materials. Class size

is limited. You must pre-register and pay for the class fee to attend.

To register, go to http://www.dstarinfo.com/InfoCon2014.aspx. For questions and more info, contact us at info@dstarinfo.com<mailto:info@dstarinfo.com>.

AMSAT Demonstrations (all day)

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youngsters to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (433-435, 444-446) and in the demo area.

Balloon Launch

On Friday afternoon, a weather balloon carrying amateur radio (BalloonSat) will be launched from the grounds of the Dayton Hamvention following the BalloonSat Forum. Liftoff is expected at 3:30 p.m. The balloon will carry a Slow-Scan TV transmitter using Scotty II format on 144.390 MHz. The balloon should reach a peak altitude of 100,000 feet and will then parachute back to Earth. Onboard video recorders will record an aerial view of the Dayton Hamvention during the ascent and will provide amazing views from the very edge of Space that will show the blackness of space and the curve of the Earth. See the Hamvention web site for pictures from the 2011 flight.

Top Band Dinner – 25th Annual event

Crowne Plaza Hotel downtown Dayton– Presidential Ballroom
Friday evening, May 16, 2014,
6:15 p.m. social hour
7:30 p.m. Dinner
Dinner program by Craig Thompson, K9CT, on the FT5ZM Top Band operation. Top Band hospitality
Reservations in advance – limited seating
Please go to http://topbanddinner.com for tickets and information

Friday Night D-STAR

All D-STAR enthusiasts will want to attend and hear the latest D-STAR news, meet the D-STAR experts, see live demos of D-STAR equipment and applications. Meet the faces behind your D-STAR contacts from across the country and around the world. See the latest equipment and see and hear what's new and what's coming to D-STAR. Light refreshments will be served. 7:00-9:00 p.m. Drury Inn Ballroom, 6616 Miller Lane, Dayton, OH 45414

SWODXA DX DINNER

The SouthWest Ohio DX Association (SWODXA) is pleased to announce that we will again sponsor the DX Dinner ™, held in conjunction with the 2014 Dayton Hamvention. This, our 29th annual dinner, will be on Friday, May 16th, 2014, at the Dayton Marriott, 1414 S. Patterson Blvd., Dayton, OH 45409.

There will be a cash bar starting at 5:30 p.m., with dinner served at 7:00. Following the meal, there will be a separate room and cash bar available for more fellowship. This is an excellent opportunity to meet new hams, and renew old acquaintances, as well as learn about past DXpeditions and those in the planning stages.

The Marriott is very accommodating to a group our size. The dining room is on the ground floor so there are no steps, the dining room is very large, and there is ample free, on-site parking.

This dinner is always well attended by some of the most avid DXers in the world. As in the past, there will be some major door prizes, and there is always great anticipation as to who will be named the "DXpedition of the Year™ ". and the "DXpeditioner of the Year™".

Details and dinner reservation information can be found on the SWODXA Events website www.swodxaevents.org. From there, click on the DX Dinner™ icon. You can print the reservation form and submit it with your personal check or money order. We are also accepting PayPal and credit card payments.

Program details and a list of the prizes will be on the website as they become available and updates will be sent out regularly via Twitter. Check out our Facebook page at "Southwest Ohio DX Association", or follow us on Twitter - @SWODXA

Affiliated Events

AMSAT/TAPR Banquet

The eighth annual AMSAT/TAPR Banquet will be held on Friday night, May 16, at 6:30 p.m.. This dinner is always a highlight of the AMSAT (Radio Amateur Satellite Corp.) and TAPR (Tucson Amateur Packet Radio) activities during the Dayton Hamvention.

This year's speaker will be Dr. Tom Clark, K3IO, "Sixty Years a Slave (to Amateur Radio)". Tom received his Ph.D. in Astro-Geophysics from the University of Colorado, served as Chief of the Astronomy Branch at NASA Marshall Space Flight Center, was a Senior Scientist at NASA Goddard Space Flight Center, has been active in both AMSAT and TAPR, and holds an Extra Class license. Along with Bob McGwier, N4HY, he developed the first amateur DSP hardware, including a number of modems. He developed the uplink receivers and the spacecraft LAN architecture used on all the Microsats (Oscars 16, 17, 18, 19, 26, 27 and 31). Tom was inducted into the initial class of CQ Magazine's Amateur Radio Hall of Fame in 2001. Professionally, he is a Fellow of the American Geophysical Society and the International Association of Geodesy. In 2005 he was the first non-Russian to be awarded the Special Medal of the Russian Academy of Sciences for his contributions to the international Very Long Baseline Interferometry network.

Tickets ($30 each) must be purchased online in advance on the AMSAT website at www.amsat.org through the AMSAT Store tab. Tickets will not be sold at the Hamvention or at the door. Tickets purchased online may be collected at the AMSAT booth (433-435, 444-446). The Banquet will take place at the Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429 (just south of Dayton). The cash bar will open at 6:30 p.m., with the dinner commencing around 7:00 p.m.

Collegiate Ham Radio Dinner

What: Collegiate/Young Adult Ham Radio Dinner
When: Friday, May 16, 7:00 p.m.
Where: Little York Tavern & Pizza, 4120 Little York Rd, Vandalia, OH 45414
Organizer: Sam Rose, KC2LRC, on behalf of the Clarkson University Amateur Radio Club
Contact: kc2lrc@gmail.com - 315-491-2634

The Collegiate Ham Radio Dinner is a get-together of current and past collegiate ham radio operators, and anyone who shares an interest in college ham radio clubs and activities. Come meet members and alumni from clubs across the country, share your college ham radio experiences, and discuss the projects and activities you've done! High school students looking at colleges are encouraged to attend as this is an excellent opportunity to get an idea of what a college ham radio club has to offer.

Everyone is welcome! Feel free to contact Sam with any questions at kc2lrc@gmail.com. RSVPs are appreciated but not required.

Saturday Activities

AMSAT Demonstration (all day)

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youngsters to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (433-435, 444-446) and in the demo area.

One-Day Technician Class

Full-day course to get your Technician Class Amateur Radio License right at Hamvention, the same day!

When: Saturday 9:00 a.m. until 4:00 p.m.;
Exam 4:00-5:00 p.m.
Where: In the Hallway behind the Main Arena. See the Inside Exhibits booth map.

This is a full day training class for the Technician Class Amateur Radio License. STUDENTS MUST PRE-ENROLL PRIOR TO CLASS. Upon enrollment, students will receive a workbook and access to on-line pre-study materials. Everything will be taught in class, along with several exciting demonstrations of amateur radio. Exams will be conducted at the conclusion of class. This leaves time on Sunday to do some last minute radio shopping!

Go to http://www.hamclass.net/hamvclass.htm for course details and enrollment information.

The 22nd Annual Dayton Contest Dinner

The North Coast Contesters are proud to announce The 22nd Annual Dayton Contest Dinner. Master of Ceremonies for the Dayton Contest Dinner is John Dorr, K1AR. The 2014 CQ Contest Hall of Fame Inductions will be formally announced by Randy Thompson, K5ZD. The keynote dinner speaker will be Doug Grant, K1DG.

The Contest Dinner will be held on Saturday night, May 17, 2014 at 6:30 p.m. Cash bar opens at 5:30 p.m. Located at the Crowne Plaza Hotel (Official Contest Hotel) 5th and Jefferson Streets (Next to the Convention Center) Dayton (Downtown), Ohio in the Presidential Ballroom. Seating is random. Tables are set in rounds of ten. Full table reservations are in rounds of eight. Tickets are only available on http://www.contestdinner.com Many contest operators from around the world attend this event. If you enjoy radio contesting, you do not want to miss this Contest Dinner. There are no tickets available at the door.

FDIM - Grand Banquet

Sat, May 17, 7:30 p.m. – 10:00 p.m.
Holiday Inn Dayton/Fairborn I-675 Hotel, Presidential Drive, Fairborn, OH
FDIM Grand Banquet (includes prize giving and QRP Hall Of Fame induction) Register online for the banquet.

Website: Four Days In May (FDIM) info can be found at www.qrparci.org/fdim
Contact: Further info from Steve Fletcher, G4GXL - vp@qrparci.org

Kansas City DX Club Annual CW Pileup Competition

The Kansas City DX Club will host its 34th consecutive Hospitality Suite and CW Pileup Competition on Saturday evening from 8:00 p.m. until midnight, at the Dayton Crowne Plaza Hotel, 33 East 5th Street Dayton, OH 45402, Suite 525 As usual, great prizes will be awarded...Don't miss out! http://www.kcdxclub.com/index.html

(Front Row, left to right) Frank Beafore, Jim Shaw, Art Stauber, Susan Jebens, Shirley Roberts, Hazel Everetts, Laura Turner, Dave Sloan, Joe Gavin, Mike Buehler

(Second Row) Jim Frey, Joe Sheline, Steve Coy, Dave Henricks, Bob Baker, Ron Moorefield, Jon Thuermer, Lynn Roberts, Charles Kaiser, Marvin Force, Ross Bown, Henry Ruminski, Rob Gibbs, Mark Mattix

(Third Row) Jerry Miller, Mike Kalter, Jerry Bodey, Dave Crawford, Jerry Cornett, Ron Cramer, Mark Tessneer, Charles Wright, Joe Brassard, Tom Holmes, Jim Tiderman, Stan Leeds, Gary DesCombes, Mike Crawford, Jack Gerbs, Jeff DeVoe, Tom Reynolds, Rob Lunsford, Brian Markland, Dave Tritch

2014 Dayton Hamvention Committee

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General Chairman Charles Kaiser, KD8JZR

Assistant General Chairman Jim Tiderman, N8IDS

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Administration	Mail / ScootAround	Tom	Reynolds KC8AEU

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DARA Booth	Assistant Chair	Susan	Jebens KD8AFP
Finance	Chairman	Michael	Kalter W8CI
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Flea Market	Co-Chairman	Jim	Frey W8ISZ
Flea Market	Co- Chairman	Dave	Tritch N8YFQ
Forums	Chairman	Dave	Henricks N8HSO
Forums	Assistant Chairman	Barb	Holmes N8EYW
Golf Carts	Chairman	Mike	Buehler N8XGA
Golf Carts	Assistant Chairman	Joe	Sheline KD8AQH
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Inside Exhibits	Assistant Chairman	Stan	Leeds KC7EHJ
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License Exams	Assistant Chairman	Ron	Moorefield W8ILC
Mailing	Chairman	Joe	Brassard KA8C
Mailing	Assistant Chairman	Jerry	Cornett KD8TVP
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MIS	Chairman	Jim	Shaw AL7BA
MIS	Assistant Chairman	Art	Stauber W8AJS
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Security	Assistant Chairman	Larry	Apple N8MYQ
Special Event Station	Chairman	Jerry	Bodey N8OWV
Special Event Station	Assistant Chairman	Marvin	Force KB8MUV
Talk-In	Chairman	Rob	Lunsford KB8UEY
Talk-In	Assistant Chairman	Rob	Gibbs KD8HSV
Transportation	Chairman	David	Peterson K0DHP
Transportation	Assistant Chairman	Tom	Holmes N8ZM
Visual Information	Chairman	Jim	Schoettinger W8PLZ
Visual Information	Assistant Chairman	Dave	Forbes KD8FO
Webmaster	Chairman	Richard	Rieben KE4WLE
Webmaster	Assistant Chairman	Craig	Rieben W7CLR
International Relation	Chairman	Gary	Des Combes N8EMO
International Relation	Assistant Chairman	Joe	Gavin NC8D
Membership (DARA)	Chairman	Ron	Cramer KD8ENJ
Membership (DARA)	Assistant Chairman	Jeff	DeVoe K8JTD

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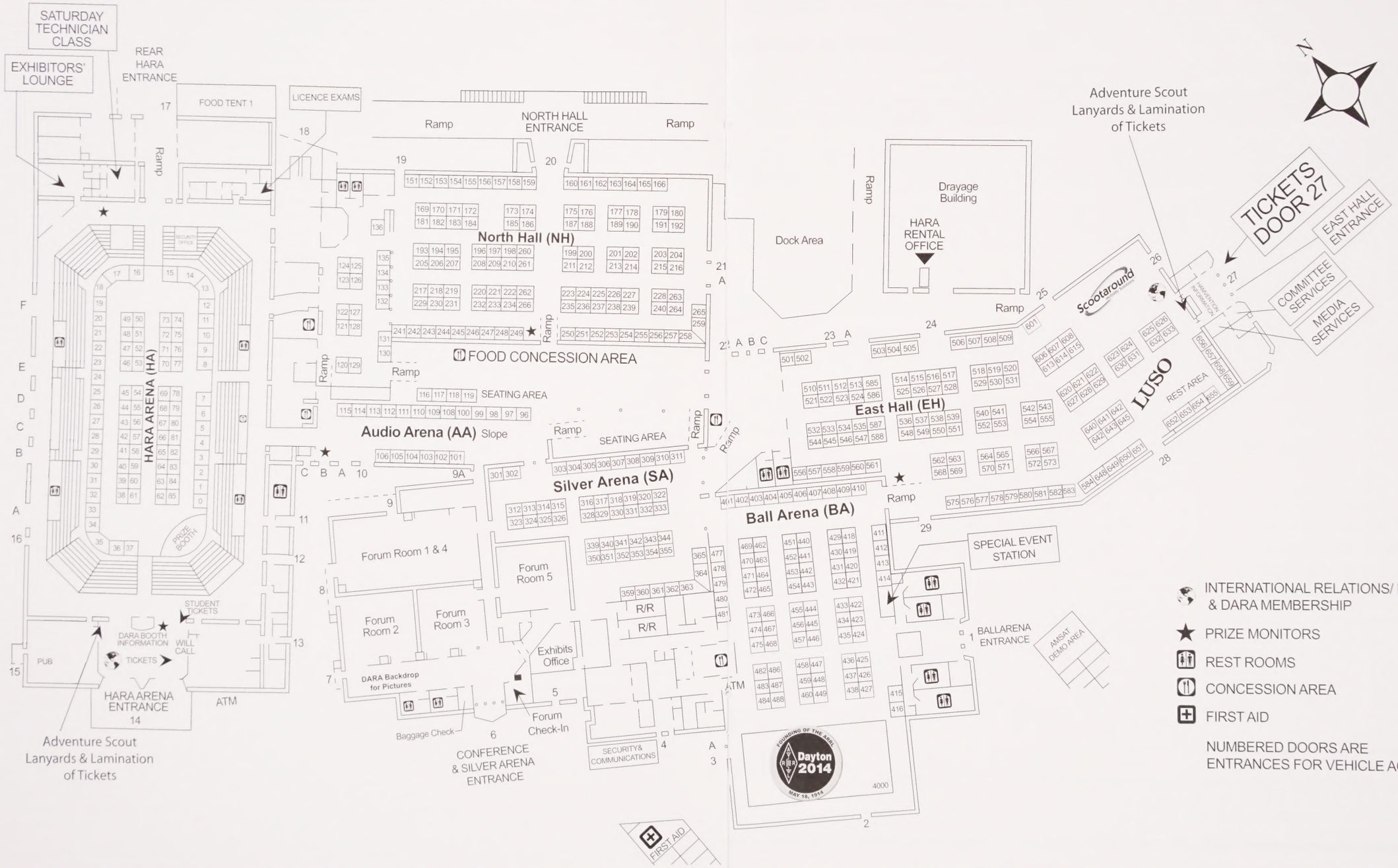
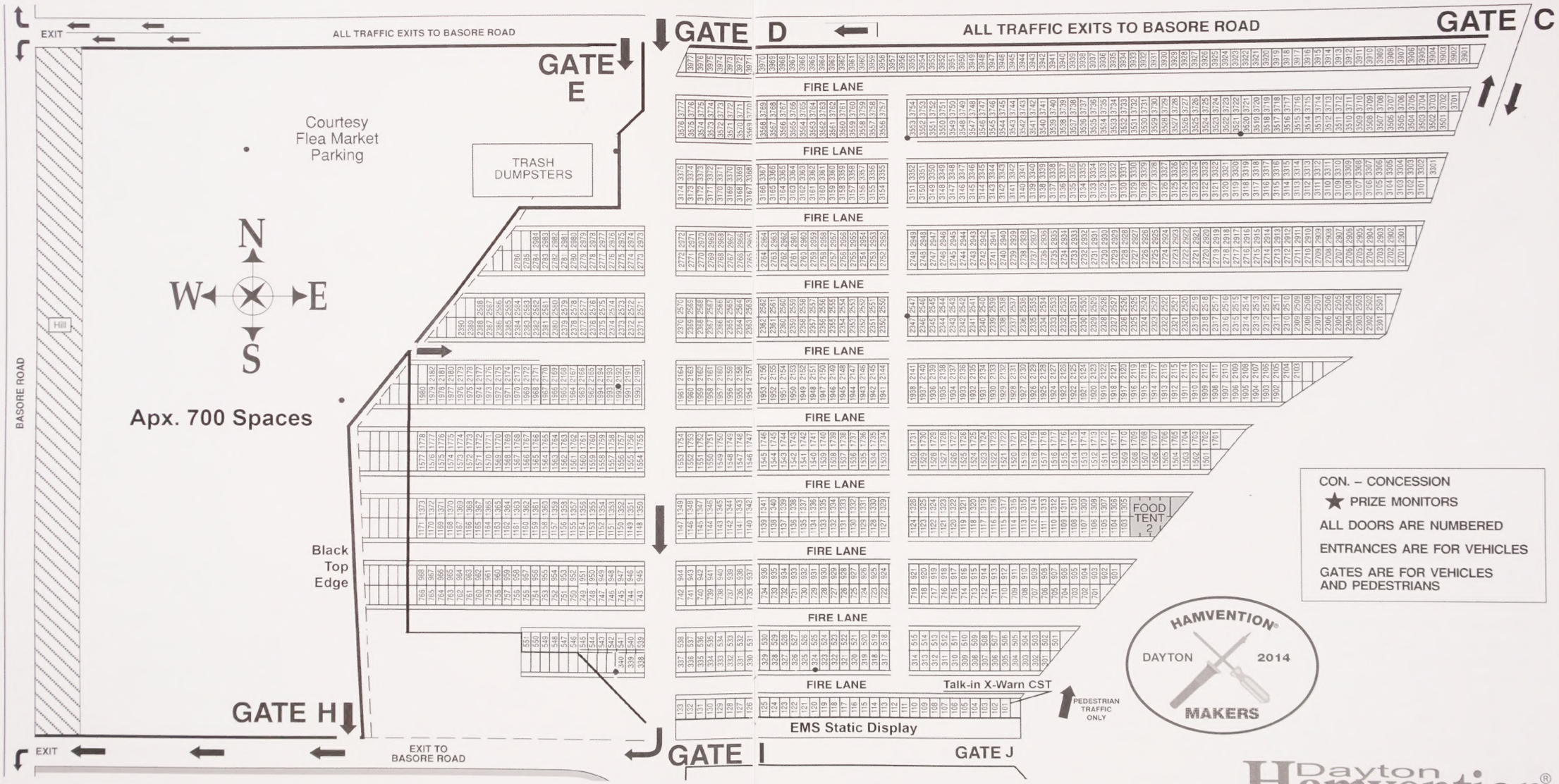


West Flea Market

HARA Arena, 1001 Shiloh Springs, Dayton, OH

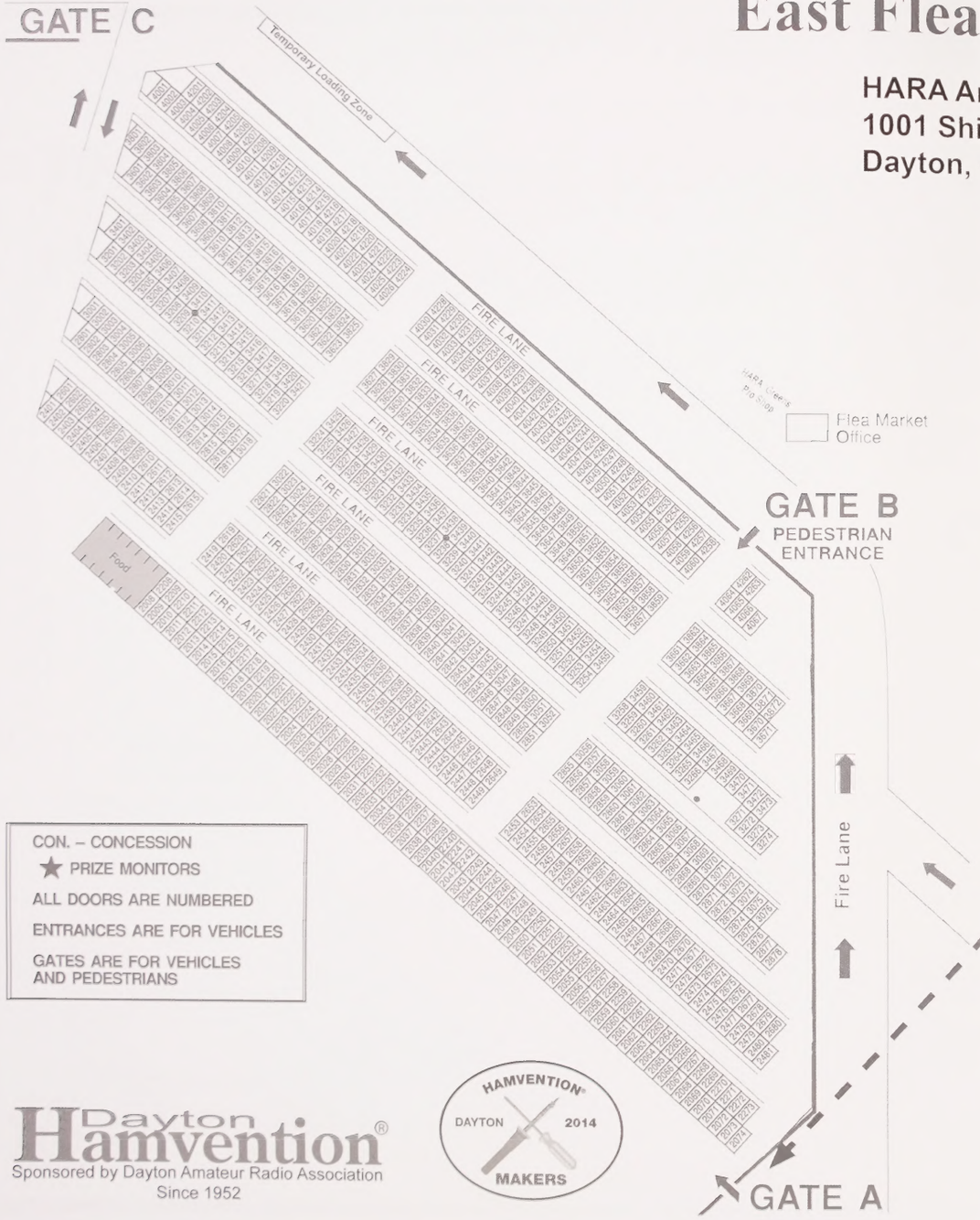


Dayton Hamvention®
Sponsored by Dayton Amateur Radio Association
Since 1952

Dayton Hamvention® 2014 MAKERS

East Flea Market

HARA Arena
1001 Shiloh Springs
Dayton, OH 45415



Dayton Hamvention®
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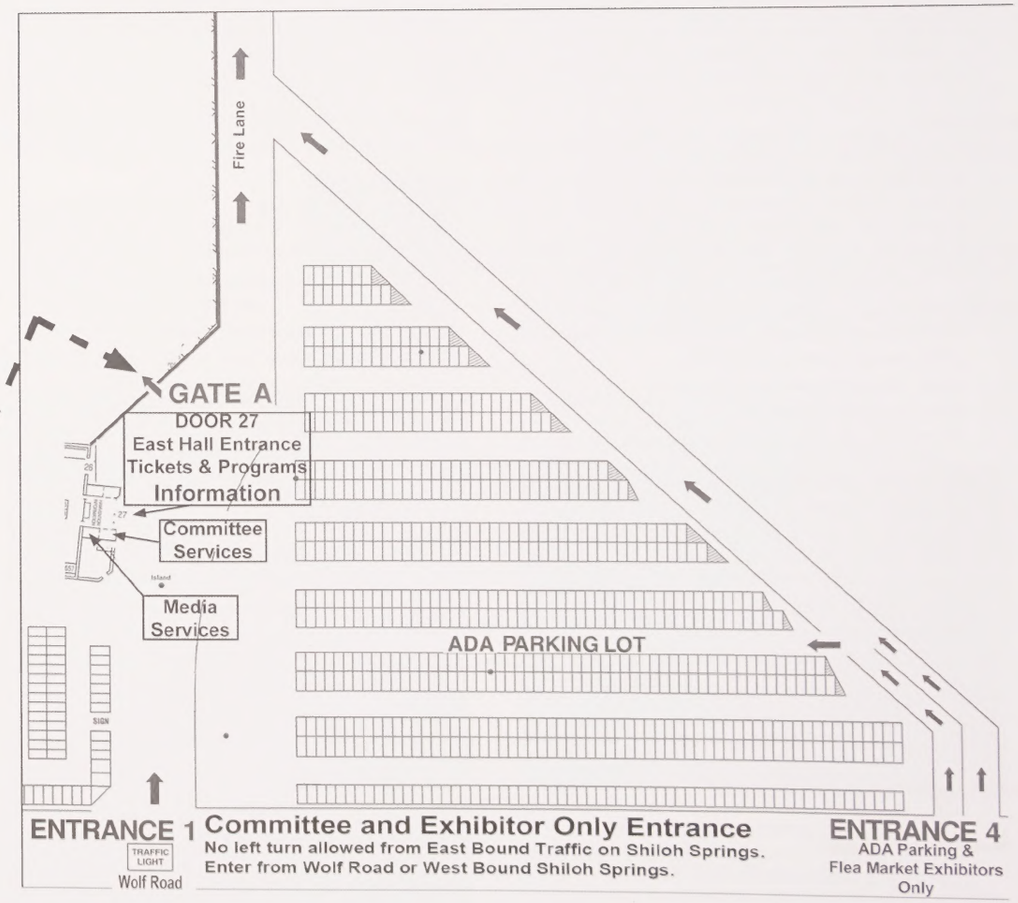
Since 1952

HAMVENTION® DAYTON 2014 MAKERS



ARRL Exhibit & Activities Guide
May 16-18, 2014

ARRL EXPO – Welcome!

ARRL, the national association for Amateur Radio, welcomes all members and friends to Dayton Hamvention®. Use this handy guide to find ARRL-sponsored activities, exhibits and program representatives. ARRL EXPO is a large exhibit area located in the Ballarena Hall (near the 400-numbered booths).

Kay C. Craigie, N3KN – ARRL President
Jim Weaver, K8JE – Great Lakes Division Director
Dale Williams, WA8EFK – Vice Director
Scott Yonally, N8SY – Ohio Section Manager

ARRL Centennial

Happy Birthday to Us! History was made when two hams, Hiram Percy Maxim and Clarence Tuska, began the American Radio Relay League on May 18, 1914. One hundred years later, their founding vision continues in ARRL members advancing the art and science of radio into a Second Century. While we are celebrating the Centennial all year, the official 100th 'birthday' of the ARRL happens to fall on the Sunday of this Dayton Hamvention®. Join us for the celebration!

- **FREE Centennial Coin** (ARRL exhibit area; while supplies last)
- **Happy Birthday ARRL!** Come for cake! (see forum schedule)

ARRL Store

Visit the HUGE ARRL bookstore to purchase popular ARRL publications, join or renew your ARRL membership, and pick up official ARRL merchandise.

- FREE Gift when you join ARRL or renew your membership at ARRL EXPO.
- FREE ***ARRL Centennial Edition Handbook*** when you join or renew for 3 years. *Best Deal*!
- FREE ARRL Dayton 2014 Button!

2014 ARRL Field Day Supplies – ARRL Field Day is June 28-29, 2014. Gear up for the most popular on-the-air operating event in Amateur Radio. Official T-shirts, pins, hats, mugs, and posters are available.

ARRL Exhibits...

ARRL Laboratory: Get Your Handheld Radio Tested!
ARRL Development and ARRL Foundation
ARRL Second Century Campaign
TravelPlus for Repeaters™ software and mobile app demonstration
ARRL Volunteer Examiner Coordinator
Emergency Communications & Public Service
Media and Public Relations
ARRL Education Services

Youth Activities and Youth Lounge –
Special thanks to Megan, K5MEM and Lisa McClellan, K5LRM, for organizing the ARRL Youth Activities.

Radiosport and DXCC – DXCC Card Checking; ARRL Contests and Awards; QSL Bureau; ARRL Logbook of the World (LoTW)

Ham Radio and Scouting

ARRL National Centennial Convention – July 17-19, 2014 in Hartford, Connecticut.

ARRL Field Organization Volunteers –
Visit this gathering area for ARRL Field Organization networking, hosted by the ARRL Ohio Section.

ARRL Visa® Card – U.S. Bank

Equipment and Club Liability Insurance Programs – Hays Affinity Group

Meet representatives from the following organizations and national Amateur Radio societies in the ARRL EXPO exhibit area.

The International Amateur Radio Union (IARU)
Deutscher Amateur Radio Club (DARC) – Germany
Japan Amateur Radio League (JARL)
Qatar Amateur Radio Society (QARS)
Radio Society of Great Britain (RSGB) – United Kingdom

ARRL-sponsored Forums (see forum schedule)

Friday, May 16
- **Video: ARRL at 100 – A Century of Ham Radio**

Saturday, May 17
- **Getting Started with Antenna Modeling** – hosted by Ward Silver, NØAX
- **Video: ARRL at 100 – A Century of Ham Radio**
- **ARRL Member Forum** – Moderator: Jim Weaver, K8JE, ARRL Director--Great Lakes Division
- **Impedance Matching 101** – hosted by Ward Silver, NØAX

Sunday, May 18
- **Happy Birthday ARRL!** Come for cake!

ARRL National Centennial Convention

July 17-19, 2014 | Connecticut Convention Center | Hartford, CT

Register Now

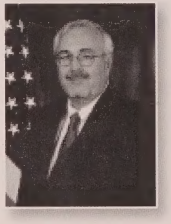
ARRL2014.org

Thursday, July 17, 2014

- All-Day Training Tracks: public sevice, technology, radiosport, and more!
- Lunch with guest speaker, ARRL First Vice President, Rick Roderick, K5UR
- International Guests "Welcome" Reception

ARRL Centennial Banquet, Friday Night

Keynote speaker:
Federal Emergency Management Agency (FEMA) Administrator, Craig Fugate, KK4INZ



Friday & Saturday, July 18-19, 2014

- Exhibit Hall featuring ARRL program representatives, Amateur Radio manufacturers, equipment sellers, and an indoor flea market
- Over 70 hours of forums and presentations
- Youth Activities including presentations, a ham radio "Fox Hunt," and hands-on activities at the ARRL Discovery Station booth
- ARRL Wouff Hong Ceremony, Friday 11:30 PM
- Saturday morning Presidents Breakfast
- Closing ceremony Saturday evening

$5,000 GRAND PRIZE

"Centennial Station Giveaway"

Sponsored by ARRL and R&L Electronics

Create your own dream station!

The winner can select a radio, antenna, and accessories valued up to $5,000!

All paid convention registrants will be entered in a $5,000 Grand Prize drawing (door prize). The winner will receive a $5,000 prize voucher, redeemable for products sold by R&L Electronics, www.randl.com. Convention registrants do not need to present in order to be included in the drawing.

Drawing Rules: One name will be drawn from the eligible registrants at the end of the convention on Saturday, July 19, 2014. You do not need to present in order to be included in the drawing. The prize winner must complete an IRS Form W-9, or in the case of a non U.S. resident, IRS Form W-8BEN before collecting the prize. The Grand Prize winner will receive an IRS form 1099 for the value of the prize, to be issued for the 2014 tax year. Taxes and other expenses associated with the Grand Prize are the sole responsibility of the Grand Prize winner.

ARRL **R&L Electronics®**

All tickets include a tour of nearby ARRL headquarters and W1AW, The Hiram P. Maxim Memorial Station (transportation provided)

Pre-registration Recommended

ARRL2014.org

ARRL 100 YEARS

Prizes

Major Prize Donors ($1000 or more)

Kenwood USA Corp.
Diamond Antenna
American Radio Relay League
SteppIR Antenna Systems
RF Parts
Yaesu Vertex Standard
Dayton Amateur Radio Association
Array Solutions
RF Concepts
Randd Association
US Tower Corp.
Dayton Hamvention
Universal Radio, Inc.
RT Systems
Icom America, Inc.

Total prizes estimated in excess of $81,000.00

Prize Donors

Air Chair
ALINCO
Alpha Antenna
B & B Embroidery
Begali Key
Bird Technologies Group
Buckmaster Publishing
Buddipole
C Crane Company
Cablexprerts Inc.
Click – It – Hot
Coaxial Dynamics
C Q Communication, Inc.
Dark County Visitor's Bureau
Debco Electronics
D X Engineering
DZ Kit
Electronic Rainbow Ind. Inc.
EZ Hang Inc.
Fists CW Club
Follrod Sales
Foundation For
Amateur Int. Radio
GRE America
Gold Medal Ideas
Heil Sound LTD
Information Radio
International Antenna Company
Jetstream
LnR Precision / SKCC Group
M2 Antenna System Inc.
M F J Enterprises Inc.
MicroLog By WA0H
Midwest VHF / UHF Society
N3ZN Keys LLC
N4PY Software
Nuts & Volts / Servo Magazine
Palstar Inc.
Peet Brothers Company, Inc.
R & L Electronics
Radio Ware
RF Parts
Project GM
Scootaround Inc.
Signman of Ohio
West Mountain Radio
Wild Sage Jewelry
Wouxun Electronics

Main Prizes

1	TS–990S	$8,249.00	Kenwood U S A Corp.
2	Multi-Band HF/VHF/UHF Transceiver	$4,600.00	Icom America, Inc.
3	FTDX-3000 HF 100 Watts HF - 6 M	$3,500.00	Yaesu Vertex Standard
4	TX–455 55' Free Standing Tower	$3,146.00	US Tower
5	TS–590S 100 Watts 160 – 6 M	$1,965.00	Kenwood U S A Corp.
6	IC–7200 100 Watts HF - 6 M	$1,341.00	Icom America, Inc.
7	FT–450–HF 100 Watts HF - 6 M	$1,340.00	Yaesu Vertex Standard
8	FT-857D 160 M - 70 CM	$1,160.00	Yaesu Vertex Standard
9	SteppIR Antenna System	$1,000.00	SteppIR Antenna Systems

Student Main Prize ..... CC Radio - 2C ..... $159.95 ..... C. Crane

Forums Schedule

Friday

	Room 1	Room 2	Room 3	Room 5
9:15 am	TAPR Digital Forum	Homeland Security Training	Heathkit Test Equipment	YLRL
9:30 am			0915-1000	Nancy Hall
9:45 am	Steve Bible	John Peterson		0915-1015
10:00 am	0915-1115			
10:15 am		0915-1045	Instructor's Forum	
10:30 am				iOS & Android Rig Control
10:45 am			Carole Perry	
11:00 am		10-10 Interna-tional	1015-1200	Nick Garner
11:15 am				1030-1130
11:30 am	APRS	1100-1200		
11:45 am				Kit Building
12:00 pm	Bob Bruninga			
12:15 pm	1130-1230		Ham Nation	Joe Eisenberg
12:30 pm				1145-1245
12:45 pm		Balloon Sat	Bob Heil Gordon West	
1:00 pm	D-Star		1215-1345	Techniques of Best Operators
1:15 pm	Robin Cutshaw	Bill Brown		
1:30 pm		1215-1415		Mitch Stern
1:45 pm	1245-1415			1300-1415
2:00 pm			Collins Radio	
2:15 pm				
2:30 pm		Hams in Space	David Knepper	ARRL at 100
2:45 pm				David Sumner
3:00 pm		Randy Schulze	1400-1530	1430-1530
3:15 pm	Antenna Forum	1430-1545		
3:30 pm				
3:45 pm	Tim Duffy		Advances in Software Defined Radio	Introduction to Digital Mobile Radio
4:00 pm	1430-1700	County Hunting		
4:15 pm			Steve Hicks	1545-1700
4:30 pm		Tim Eklin		
4:45 pm		1600-1700	1545-1700	
5:00 pm				

Saturday

	Room 1	Room 2	Room 3	Room 5
9:15 am		Ham Radio Deluxe	Disappearing Ham Radio History	
9:30 am				Getting Started with Antenna Modeling
9:45 am		Rick Ruhl	0915-1015	
10:00 am		0915-1015		Ward Silver
10:15 am	Youth Forum			
10:30 am		Drake Equipment	ARRL at 100	0915-1100
10:45 am	Carole Perry		Dave Sumner	
11:00 am	0915-1215	Evan Rolek		
11:15 am		1030-1130	1030-1145	
11:30 am				
11:45 am				
12:00 pm			Ham Classroom Secrets	AMSAT
12:15 pm		Fast Scan ATV		Alan Biddle
12:30 pm			1200-1300	1115-1330
12:45 pm		Art Townslee		
1:00 pm	Contesting	1145-1400		
1:15 pm	Doug Grant		ARRL Member Forum	
1:30 pm	1230-1430			
1:45 pm			1315-1415	Ham Radio Town Meeting
2:00 pm				
2:15 pm		Linux & Micro-Controllers		
2:30 pm			Impedance Matching 101	1345-1500
2:45 pm		1415-1515		
3:00 pm			1430-1530	
3:15 pm				UHF/VHF Microwave
3:30 pm	DX Forum			
3:45 pm	Jay Slough	NTS/NTSD	Joint Service MARS	Rick Campbell
4:00 pm	1445-1700	James Wades		1515-1700
4:15 pm		1530-1630		
4:30 pm			Gary Sessums	
4:45 pm			1545-1700	
5:00 pm				

Sunday

Room 1	Room 2	Room 3	Room 5
Happy Birthday ARRL	Introduction to Smith Chart Software	Collecting & Restoring Ham Radios of the Past	
0915-1015	0915-1015	0915-1015	Bicycle Mobile
			Mike Nickolaus
Tower Safety	Kenwood Legacy Hybrid Equipt.	Amateur Radio Emergency Services (ARES)	0915-1115
1030-1130	1030-1130	1030-1130	

Friday, May 16th

9:15 - 10:00 **Room 3**

Heathkit-Test Equipment

Moderator: **Chuck Penson, WA7ZZE** This forum provides a quick review of the many and varied products the company produced and a WAG as to how many were sold over a period of 40 years.

9:15 - 10:45 **Room 2**

Homeland Security

Moderator: **John Peterson**

The Department of Homeland Security's (DHS) Office of Emergency Communications (OEC) forum is geared toward auxiliary emergency communicators who volunteer to provide backup emergency radio communications support to public safety and emergency response professionals and their agencies. Typically this includes amateur radio communicators from groups such as MARS, ARES, RACES, SATERN and other amateur radio based groups. On numerous occasions amateur radio services have been used reliably when other forms of communications have completely failed or have been severely disrupted. Today nearly all the States/territories have incorporated some level of participation by amateur radio auxiliary communication operators into their communications interoperability plans. This forum will be of interest people who:

1. Want to learn more about the AUXCOMM workshop
2. Who want to learn more about OEC's Technical Assistance Program
3. Who want to learn more about Communications Leader (COML) and Communications Technician (COMT) Training
4. Want to learn more about the Government Emergency Telephone Systems (GETS), Wireless Priority Service (WPS) and Telephone Priority Service (TPS)
5. Have a desire to know more about public safety emergency communications

9:15 - 11:15 **Room 1**

TAPR Digital Forum

Moderator: **Steven Bible, N7HPR, TAPR President**

Speakers: **Scotty Cowling, WA2FDI, New Developments in the openHPSDR Software Defined Radio Project**

What has TAPR been up to this past year and where are we going?

We will take a look at exciting new developments in the openHPSDR project. Topics include PureSignal predistortion to improve transmit linearity, the new UDP protocol definition, a new GPS frequency standard and an overview of new Gen2 hardware, among others.

Michael Ossmann, HackRF and Your Digital World

Modern software defined radio platforms like HackRF give us an unprecedented ability to explore the radio spectrum around us. Meanwhile our world is exploding with new digital radio systems both large and small. Never before has it been possible to interact with so many interesting wireless systems. Join me on a tour of the vast array of digital radio signals that are a part of your daily life and see how HackRF allows you to join in the fun.

Chris Testa, KD2BMH, Whitebox / HT of the Future

Whitebox is a power-conserving handheld SDR transceiver with an Open Source / Open Hardware design. Chris Testa will show a working Whitebox system and discuss his progress and the issues he confronted. Whitebox is a complete RF platform that

plugs into a computer. HT of the Future, combining Whitebox and Android, gives us a handheld platform for soft-modems and applications with a full graphical user interface. It has all of the power of Hermes or FlexRadio, but for 54 to 1000 MHz and in your pocket. Chris will discuss what it will take to get Whitebox to experimenters this year and what will be necessary to realize it as an end-user platform next year.

Bruce Perens, K6BP, AMBE Exposed!

AMBE has been reverse-engineered, leading to a D-STAR receive application that works without a DV-Dongle! The developers would like to remain unnamed for now due to intellectual property reasons, but Bruce has their number. Bruce will discuss the technology, the potential for a single unit that could talk with all of D-STAR, Yaesu System Fusion, and a Codec2 based system, and what you can do with the software today. One of the largest concerns is when AMBE emulating software will become legal in the U.S. due to patent expiration, and Bruce will give a short explanation of what we know about that.

Bruce Perens, K6BP, with contributions by **David Rowe, VK5DGR**, The Second Generation of FreeDV and Codec2

David has been working on a new generation of FreeDV. The prototype (in simulation as I write this) achieves a significant signal-to-noise improvement. Technologically, it's a startling departure from the first version. We'll go over the design and some early audio samples, and what we expect for the next year.

9:15 - 10:15 **Room 5** **YLRL**

Moderators: **Nancy Hall, KC4IYD** and **Cheryl Muhr Littleton, N0WBV** 75 Years of the YLRL Join the Young Ladies' Radio League to find out how this historic club got started and has progressed through its 75th anniversary. In Amateur Radio every Woman is a Young Lady no matter what her age. It all started with a lace bordered ad and evolved into one of the largest international organizations for YLs in Ham Radio. OMs are also welcomed to earn awards and we appreciate how they support us. Other topics will include: information on the 75th Anniversary convention in Vancouver, Washington this August, where you can find YLs at local events; how to get the YL magazine; and much more. Bring your questions to the YL forum and find out more about women in Amateur Radio, meet officers in the YLRL and let's hear from the Ladies of all ages!

10:15 - 12:00 **Room 3** **Instructors Forum**

Moderator: **Carole Perry, WB2MGP** If you are a teacher, instructor or youth leader, you won't want to miss this one! There will be 2 great speakers along with an informative talk by EMIKE McCardel, AMSAT VP for Educational Relations, sharing resources for ISScontacts. There will be lots of free handouts listing important resources for those of us working with youngsters. Door prizes donated by KENWOOD.

Chip Margelil, K7JA, Visual Aids for Teaching Kids about antennas Chip will demonstrate how to teach students why the antennas they use for their ISS contacts shoot the energy in the right direction. You'll see fun demos you can duplicate for your classes, including how to set up an antenna quickly in the school yard, and how to make a "Poor Man's Rocket Launcher" for some outdoor fun.

Stan Reubenstein, WA6RNU, Scouting and Ham Radio: Perfect Together Stan will give an overview of the benefits of combining scouting with ham radio. He will speak about the National program, the Local program, and importantly give handouts for resources for local scouters, RCA, and the national office. Free handouts will be given for the beginning instructors as well as for the established ones.

10:30 - 11:30 **Room 5**

IOS & Android

Moderator: **Nick Garner, N3WG**: Investigating Bluetooth Low Energy for Rig Control from Smartphones and Tablets This forum will take a look at controlling amateur radios from portable devices like smartphones and tablets using Bluetooth Low Energy (BLE / Bluetooth Smart). **Nick, N3WG**,from Pignology, LLC will discuss the evolution of their Wi-Fi based rigcontrol devices to this new communication standard and talk about why Bluetooth wasn't a good choice until now. He will also detail the hardware and software that make it possible to control your radio from your phone with BLE enabling DIY'ers to do it themselves.

11:00 -12:00 **Room 2**

10-10 International

More than just a Number Moderator: **Mel Sojka, KD5DE**
Speaker: **Keith Schlottman, KR7RK**, PowerPoint presentation
Mel Sojka, KD5DE, future events.

11:30 - 12:30 **Room 1**

APRS

Moderator: **Bob Bruninga, WB4APR**, APRS Operating Notes
Byon Garrabrant, N6BG, Byonics Update
John Hanson, W2FS, Coastal Chip Works, X-DIGI and other APRS projects
Jason Rausch, KE4NYV, RPC Electronics Update
Don Arnold, W6GPS, AVMAP G6 update
Andrew Pavlin, KA2DDO, author of YAAC.

11:45 -12:45 **Room 5**

Kit Building

This year's theme is "Techniques For Kit Building Success"
Moderator: **Joe Eisenberg, K0NEB**, Kit Building Editor, CQ Magazine
Learn all about the best ways to build kits and have the best chance of success the first time! See what kinds of kits are available right now for beginners to advanced builders.
Speakers: **Wayne Burdick, N6KR, Elecraft, Doug Hendricks, KI6DS, Hendricks Kits,** and **Rex Harper, W1REX**.

12:15 - 2:15 **Room 2**

Balloon SAT

Moderator: **Bill Brown, WB8ELK**, and **Doug Loughmiller, W5BL**
Speakers: **Bill Brown, WB8ELK**, Low-cost flights using party balloons and miniature trackers
Thomas Krahn, KT5TK, South Texas Balloon Launch Team Pico balloon flights
Keith Kaiser WA0TJT, Jurassic Pigs and other adventures in High Altitude Ballooning
Bryan N. Whipp W7BNW, Arizona Near Space Research Ballooning 2014
Nick Hanks N0LP, EOSS Weather and Science Day balloon at Coors Field.

12:15 -1:45 **Room 3**

Ham Nation

Moderator: **B. Heil, K9EID, & G. West, WB6NOA**
Speakers**: George Thomas, W5JDX, Don WIlbanks AE5WD, Dale Puckett, K0HYD, Valerie Hotzfeld, NV9L** HAM Nation is a webcast dedicated to Amateur Radio that is broadcast each Wednesday on Leo Laporte's TWIT network. The hosts will present an interactive forum with many of the after show net hosts and fans that watch the video cast and listen to the podcasts each week.

12:45 - 2:15 **Room 1**

D-Star

Moderator: **Robin Cutshaw, AA4RC**

Speakers: **Robin Cutshaw, AA4RC, John Davis, WB4QDX,** and **John Hays, K7VE,** D-STAR continues to grow and change. The speakers this year are experts in the many facets of D-STAR and will be updating attendees with the latest news, radios, and gadgets. New products are always the highlight at the forum.

1:00 - 2:15 **Room 5**

Techniques of Best Operators

Speakers: **Mitch Stern, W1SJ,** and **Tony Pazzola, W2BEJ**, Why does everyone else work the DX but I can't? It's probably because they attended *this forum* in the past! A good station certainly helps, but knowing *what* to do when you get on the air is even more important. Our forum today will certainly help. We'll start off with some of the basics of good repeater operating, move on to the more serious matter of emergency operation, dabble with DX and finally learn how to use contests to become better operators. You won't be same operator by the end the day and will be a force to be reckoned with on the bands! Why is it such a struggle to work the W1AW portable stations? How come I can't work the juicy DXpeditions? Why is it every time I get into a QSO, it ends up getting swallowed up in a sea of QRM? Now that you've bought up all the great stuff from the Flea Market and got home and set it all up, now what do you do after you turn it on? How do you go about making contacts with others? You will be treated to lots of data, on-the-air war stories, super suggestions and then, you'll get to participate in the dreaded Hamvention QSO Party. Don't miss it!

2:00 - 3:30 **Room 3**

Collins Radio

Sponsored by the Collins Radio Association(SRA)
Moderator: **David Knepper, W3ST,** Secretary to the Collins Radio Association
Speakers: **Ted Craven, WØTCW**, Collins Restoration and Service Techniques.

2:30 - 5:00 **Room 1**

Antennas

Moderator: **Tim Duffy, K3LR**
Speakers: **Justin Johnson, G0KSC**, The Loop Fed Array Yagi
Craig Thompson, K9CT, Building Antennas at the K9CT Station
Lee Strahan, K7TJR, High Impedance Low Frequency Receiving Arrays
Mark Bauman, KB7GF, The Shared Apex Loop Array.

2:30 - 3:30 **Room 5**

ARRL at 100 - A Century of Ham Radio

This year marks 100 years of ARRL members advancing the art and science of radio. This new 25 minute video captures the story few hams know. Journey along a timeline that begins during the infancy of radio and ARRL's founding years, and travels through decades of history and accomplishments. In one segment of the video, ARRL Chief Executive Officer **Dave Sumner, K1ZZ** says, "There's no question but that Amateur Radio as we know it today would not exist were it not for past and present generations of ARRL members." Following the video, members of the ARRL Public Relations Committee will lead a discussion about the ARRL Centennial Celebration and ways all hams can help promote Amateur Radio in their communities. Attendees will receive a FREE ARRL Timeline.

2:30 - 3:45 **Room 2**

Hams in Space

Moderator: **Randy Schulze, KD0HKD**: How to Successfully Get on the Air with the FM Amateur Radio Satellites. Often this can be achieved with equipment you might already possess, or by obtaining a few specialized, inexpensive items. While explaining these techniques, an emphasis of Keep it Simple and Have Fun is stressed throughout!
Presenters: **Randy Schulze, KD0HKD**, **Eddy Paul, KY0F**, and **Jeremy Widner, AC0DX.**

3:45 - 5:00 **Room 3**

Advances in Software Defined Radio

Moderator: **Stephen Hicks, N5AC**

Speakers: **Jeremy McDermond, NH6Z**, Next Generation OpenHPSDR Firmware: Moving Beyond Just Verilog The flexibility of the OpenHPSDR platform's FPGA-based firmware has been a boon to the project from the beginning. The architecture has allowed us to move from simple USB-based systems with a single firmware receiver to gigabit ethernet systems with many firmware receivers. New "system on a chip" FPGAs that combine traditional CPU-based systems with integrated FPGA logic elements promise to give us the best of both worlds by providing the speed of FPGAs with the abilities of an embedded system on a chip. This talk will discuss using an embedded Linux to implement existing HPSDR functionality in a SoC and future directions for such a platform. **Scotty Cowling, WA2DFI**, Hardware building blocks for High Performance SDR Platforms. We will present a hardware overview of the SoCkit and BeMicroCV-A9 FPGA development kits, along with the SDRstick RF front-end boards. **Stephen Hicks, N5AC**, VP Engineering, FlexRadio Systems, Advances and the future of SDR The last few years have seen significant changes in both SDR architectures and their capabilities. This talk will discuss the current SDR architectures deployed and being pursued along with the advantages and disadvantages of each. We will also explore some of the capability advances in SDR platforms in the last year and eye some of the future capabilities that are now within reach given today's powerful SDR platforms. The three speakers will form a panel at the end of the presentations and will address questions from the audience as a group.

3:45 - 5:00 **Room 5**

Introduction to Digital Mobile Radio

Moderator: **John Burningham, W2AXB** DMR is an international standard for professional digital two-way radio systems. A number of manufacturers including Motorola Solutions (MototrboTM)

Hytera, Harris, BFDX, Tait, Vertex Standard, Connect Systems, Rayfield Communications, and Kenwood are involved with DMR. This presentation will include a basic introduction to DMR Tier2 which has been implemented in a number of Amateur Radio networks worldwide including the DMR-MARC and DCI networks. There are currently over amateur 550 repeaters and over 6000 users worldwide.

4:00 - 5:00 **Room 2**

County Hunting

Moderator: **Tim Eklin, W8JJ**. Tim holds USA-CA #1203 and is currently attempting to work all US counties using CW. He also enjoys operating mobile to activate needed counties on multiple bands and modes.

Speakers: **Lowell Tennyson, KB0BA** and **Sandra Tennyson, N0XYL** Lowell holds USA-CA #1154 and Sandra is USA-CA #1214. This mobile OM/YL team can frequently be heard running counties across the United States. They are two-time recipients of the "Mobile Team of the Year" award sponsored by MARAC. Lowell and Sandra will discuss their approach to county hunting, and share their equipment configuration and operating techniques along with some stories from the road. Lowell and Sandra offer a unique perspective on county hunting as a mobile team. Mark Pinsky, W8MP Mark holds USA-CA #1187 and will discuss his county hunting experiences as he travels worldwide and seeks out other amateur operators including county hunters. He is a commercial airline pilot and often coordinates visits with hams during lay overs in cities all over the globe. He holds the following DX call signs, JG1DVR and 9G5MP. Mark enjoys putting a face with a call sign and often surprises county hunters by scheduling an eyeball QSO when he is in their area. He will also share his most recent ham radio interests involving remote station operations.

Saturday, May 18th

9:15 - 10:15 **Room 3**

Disappearing Ham Radio History... Hope for the Future
Moderator: **Tom Perera, W1TP**
Remember a company called Heathkit? Remember Hallicrafters, Hammarlund, National and Collins? Remember the surplus military radios after WW-2? Remember Radio Row in New York City and how the World Trade Center took over all the surplus stores? Join Tom for a trip back to those days and see pictures and videos of what Ham Radio used to be. Then look to the present and future to see how some museums and our very own "Dayton Hamfest" (Dayton Hamvention) are helping to keep Ham Radio alive and well now and for future generations.

9:15 - 11:00 **Room 5**

Getting Started with Antenna Modeling
(This forum is sponsored by ARRL, the national association for Amateur Radio)
Moderator: **Ward Silver, N0AX**, author of Antenna Modeling for Beginners Join the discussion on how to use antenna modeling software to design simple antennas. The discussion will be based on the EZNEC antenna modeling program and will discuss the basic techniques involved. Fundamentals behind the behavior of dipoles, verticals and loops will be covered.

9:15 - 10:15 **Room 2**

Ham Radio Deluxe
Moderators: **Rick Ruhl, W4PC** and **Mike Carper, WA9PIE** An interactive forum for HRD version 6.2 will be presented. This will include new features in 6.2, where HRD is going and will include details of the acquisition of the SAM callbook rights.

9:15 - 12:15 **Room 1**

Youth Forum
Moderator: **Carole Perry, WB2MGP** Come join the fun and share the pride by attending this forum to support our talented young speakers. Bring kids with you to inspire them to join the fun of being a youngster in ham radio. Kids will get to meet other young hams. Special cameos by notables like **Gordon West, Bob Heil,** and **Mike McCardel**, AMSAT VP for Educational Relations, with information about ISS contacts. Co-sponsorsof this year's Youth Forum are Radio Club of America, ICOM, MFJ,KENWOOD, Ten-Tec, The W5YI Group and Gordon West, Heil Sound, and TheL'Anse Creuse ARC. There will be lots of prizes for the speakers, the kids in the audience, and the supportive adults in attendance. You must be present to win!
Jacob Keogh,KD0NVX, 16 years old, Amateur Radio: development, social role, and modern benefits
Garner Fleming, KK4CLY,15 years old, how Dx'ing can increase your knowledge of the world
Divyam Mishr, KD0OOE, 14 years old, Ham Radio and your heart at the same frequency
Scot Elias, KD0WBB, 9 years old, SOTA: mountain top portable Ham Radio
Rohan Agrawal, KJ6LXV, 12 years old, Bluetooth APRS text messaging and tweeting systems
Rohan Agrawal, KJ6LXV, 12 yearsold, Bluetooth APRS text messaging and tweeting systems

10:30 - 11:45 **Room 3**

ARRL at 100 - A Century of Ham Radio
This year marks 100 years of ARRL members advancing the art and science of radio. This new 25 minute video captures the story few hams know. Journey along a timeline

that begins during the infancy of radio, ARRL's founding years, and travels through decades of history and accomplishments. In one segment of the video, ARRL Chief Executive Officer **Dave Sumner, K1ZZ** says, "There's no question but that Amateur Radio as we know it today would not exist were it not for past and present generations of ARRL members." Following the video, members of the ARRL Public Relations Committee will lead a discussion about the ARRL Centennial Celebration and ways all hams can help promote Amateur Radio in their communities. Attendees will receive a FREE ARRL Timeline.

10:30 - 11:30 **Room 2**

Drake Equipment
Drake Equipment's Legacy and Performance: Keeping Them Alive Is Fun!
Moderator: **Evan Rolek, K9SQG**.
Speakers: **Evan Rolek, K9SQG**, Recently Purchased Drake Linears: what to check before power is applied, and after
Ron Baker, WB4HFN, Technical advances and innovations pioneered by drake
Jeff Covelli, WA8SAJ, Performance curves for drake and inrad filters
Jeff WA8SAJ, Mark WB0IQK, Ron WB4HFN and **Gary W8PU,** Ask the Experts: Questions and Answers FREE prize drawing including Drake memorabilia. FREE collectable Drake pens for the first 125 attendees.

11:15 - 1:30 **Room 5**

AMSAT Forum
Moderator: **Alan Biddle, WA4SCA Barry Baines, WD4ASW**, AMSAT-NA President, AMSAT Status Report "Highlights of recent activities within AMSAT and discussions of some of the challenges, accomplishments, and exciting projects of the organization."
Frank Bauer, KA3HDO, AMSAT-NA Vice President for Human Spaceflight, A Report on ARISS. A discussion of amateur operations on the International Space Station.
Jerry Buxton, N0JY, A discussion of the upcoming launch and features of Fox-1.
Drew Glasbrenner, KO4MA, AMSAT-NA Operations Vice President, AMSAT Satellite Operations. A discussion of AO-73 and other current satellites, as well as those planned for launch in the next year. "EMike McCardel, KC8YLD, AMSAT-NA Educational Relations Vice President, Amateur Satellites, Education, and You! A discussion of the resources and equipment which supports the educational goals of AMSAT-NA."

11:45 - 2:00 **Room 2**

Fast Scan ATV
Moderator: **Art Townslee, WA8RMC Gordon West, WB6NOA**, ATV antics
Bill Brown, WB8ELK, ATV equipped Quad-copters and RC planes
Mike Collis, WA6SVT, DATV amplifier Linearization, ATVQ Magazine overview
Art Townslee, WA8RMC, DATV-Express circuit board details and wrap-up.

12:00 - 1:00 **Room 3**

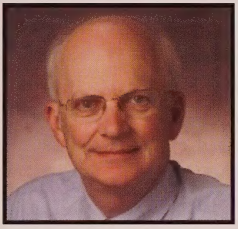
Ham Classroom Secrets , From Gordo
Moderator: **Gordon West, WB6NOA;** Keep your students on the edge of their seats with live ham demos, which you will see *here*! Learn how EASY it is to get students on-line prestudy notes, so they work the book *before* class! Gordo shares his live-demos classroom success secrets with elmers and instructors, with free ham instructor handouts to all attending this 50 minute forum. If you are thinking of teaching a ham class for the first time, this Gordo session is just for you, too. Front row forum attendees, watch out for blazing pickle juice and high voltage capacitors. This forum will be a BLAST, with Gordo!

continued on page 38

Award Winners

Amateur of the Year Award
Dr. Larry E Price, W4RA

Dr. Price is recognized for his significant and direct impact on the development of amateur radio throughout the world. His achievements include protection of existing frequency allocations, defining minimum qualifications for radio amateurs, and expansion of the 40 meter amateur band.



Special Achievement Award
David Sumner, K1ZZ

David is recognized for his contributions to the international Amateur Radio community through the International Amateur Radio Union, and for his leadership in the fight against Broadband-over-Power-Line interference to radio amateurs.

Technical Excellence Award
David Freese Jr, W1HKJ

David is recognized for his development and distribution free-of-charge of the Fast Light Digital Modem Application (FLDIGI). FLDIGI is a suite of programs for use in amateur and emergency communications and is fast becoming the emergency communications standard.

Club of the Year
Gwinnett Amateur Radio Society, W4GR

The Gwinnett Amateur Radio Society is recognized for their wide-ranging training programs, thorough support of all things amateur radio, and showcasing to their community the many facets of Amateurs Radio while participating in public service events.

Previous Award Winners

AMATEUR OF THE YEAR

1955 ...William C. Jenney, W8FYW
Benjamin S. Zieg, W9EHU, K4OQK
1956....Edmund C. Ryan, W8LRR
1957....Ralph Crammer, W8VHO
I958 ....Rev. C. Lynn White, K4CC
1959....Harlow Lucas, W8QQ
1960....Paul Woffe, W8IVE
1961....Ed Bonnet, W8OVG
1962....Dana Cartwright, W8UPB
1963....Chester Funk, K8EUF, K7ZKL
1964 ...H. Ruble, W8PTF
1965....Carl B. Snyder, W8ARW
1966....Robert K Caskey, W9DNQ
1967....Jack Gray, W8JDV
1968....Elmer Schubert, W8ALW
1969....Wayne Walters, W9DOG
1970....Kay Anderson, W8DUV
1971....Al Michel, W8WC
1972 ...Don C. Miller, W9NTP
1973....Ray E. Myers, W6MLZ
1974....Barry Goldwater, K7UGA
1975 ...Richard A. Daniels, WA4DGU
1976....Joseph M. Hertzberg, N3EA
1977....Rafael M. Estevez, WA4ZZG
1978....Frank Schwab, W8OK
1979....George G. Batterson, W2GB
1980....Wayne Overbeck, N6NB
1981....Eric C. Shalkhauser, W9CI
1982....Robert G. Heil, Jr., K9EID
1983....Katashi Nose, KH6IJ
1984....Dave L. Bell, W6AQ
1985....John J. Willig, W8ACE
1986....Roy Neal, K6DUE
1987....Carole Perry, WB2MGP
1988....Bill Bennett, W7PHO
1989....Bill Pasternak, WA6ITF
1990....Stephen Mendelsohn, WA2DHF
1991....John B. Johnston, W3BE
1992....Richard Baldwin, WIRU
1993....Harry Dannals, W2HD
1994....Perry Williams, WlUED
1995....Rosalie White, WA1STO
1996....William A. Tynan, W3XO
1997....Leo I. Myerson, WØGFQ
1998....Andrew J. Feldman, WB2FXN
1999....Kenneth M. Miller, K6IR
2000....Marttie Laine, OH2BH
2001....George Jacobs, W3ASK
2002....Alanson "Hap" Holly, KC9RP
2003....Larry "Tree" Tyree, N6TR
2004....David Kopacz, KY1V
2005....Alan S. Kaul, W6RCL
2006....Gordon West, WB6NOA
2007....Jim Haynie, W5JBP
2008....Ward Silver, NØAX
2009....Wade D. Hampton, K4ITL
2010....Jim Stafford, W4QO
2011....Shirley Roberts, N8LX
2012....S. Suri, VU2MY

Previous Award Winners (continued)

SPECIAL ACHIEVEMENT AWARD

1977.....South American Moonbounce (EME)
Expedition Team of the Mt. Airy VHF
Radio Club Inc., Philadelphia, PA
Elliott Weisman, K3JJZ
Anthony Sousa, W3HMU
S. William Olsan, W3HQT
Walter Boldman, K3BPP
Daniel Mitten, WA3NFU
Socrates Martinez, WB3AFY
Bohnar Aguilar, WB3AOP
1978.....Ronald Moorefield, W8ILC
1979.....Edward Tilton, W1HDQ
1980.....Joseph Merdler N6AHU
198I .....Bill Pasternak, WA6ITF,
Bill Orenstein, KH6IAF
1982.....Bruce Humphrys, KØHR
1983.....Lenore Jensen, W6NAZ
1984.....Ethel Smith, K4LMB
1985.....Judith Frye, KG8P
1986.....Rev. Michael Mullen, C.M., WB2GQW
1987.....Arthur Gentry, W6MEP
1988.....Fred Hammond, VE3HC
1989.....Phil Karn, KA9Q
1990.....Paul Thomson, KCØVG
1991.....Nate Brightman, K6ØSC
1992.....Ned Raub, W1RAN
1993.....Robert Adams, WA9ZMO
1994.....Russ Kroeker, N7HGE
1995.....Ed Briner, WA3TVG
1996.....John Kraus, W8JK
1997.....Joseph J. Fairclough, WB2JKJ
1998.....John B. Bellows, Jr., KØQB
1999.....Paul D. Lieb, KH6HME
2000.....A. Prose Walker, W4BW
2001.....Frank Bauer, KA3HDO
2002.....Dr. Owen Garriott, W5LFL
2003.....Jonathan Taylor, K1RFD
2004.....George S. Wilson III, W4OYI
2005.....D. Bharathi, VU2RBI
2006.....Riley Hollingsworth, K4ZDH
2007.....Ed Hare, W1RFI
2008.....Emery McClendon, KB9IBW
2009.....Richard Garriott, W5KWQ
2010.....Richard "Dick" Ross
2011.....Fred L. Lloyd, AA7BQ
2012.....Steve Betza, WZ2V
2013.....George a. Thomas, Jr, W5JDX

TECHNICAL EXCELLENCE AWARD

1984....Lyle Johnson, WA7GXD
1985 ...Richard Whiting, WØTN
1986....M. E (Doug) DeMaw, W1FB
1987....Henry (Hank) Oredson, WØRLI
1988....Lew McCoy, W1ICP
1989....Byron Goodman, W1DX
1990....Bob McGwier, N4HY
1991....Lou McFadin, W5DID
1992....Gerald Cromer, K4NHN
1993....Dick Jansson, WD4FAB
1994....Dick Newell, AK1A
1995....Philip Ferrell, K7PF
1996....William Orr, W6SAI
1997....Al Ward, W5LUA
1998....Robert E. Bruninga, WB4APR
1999....Alfonso R. Torres, KP4AQI
2000....Dr. H. Paul Shuch, N6TX
2001....Peter Martinez, G3PLX
2002....Allen Waller, K3TKJ
2003....Steve Dimse, K4HG
2004....Barry Sanderson, KB9VAK
2005....Dr. Jerry Sevick, W2FMI
2006....Richard Illman, AH6EZ
2007....David Cameron, VE7LTD
2008....Thomas C. McDermott, N5EG
2009....Copthorne Macdonald, VY2CM
2010....Simon Brown, HB9DRV
2011....Roy W. Lewallen, W7EL
2012....Joel R. Hallas, W1ZR
2013....David Rowe, VK5DGR
2013....David M. Whitten, II, KD0EAG

Saturday (continued from page 34)

12:30 - 2:30 **Room 1**

Contesting

Moderator: **Doug Grant, K1DG Tom Wagner, N1MM** and **Larry Gauthier, K8UT**, Introducing N1MM Logger PLUS - "The Next Generation"

Craig Thompson, K9CT, Improving Contest Station Ergonomics with Wireless Technologies

Paul Young, K1XM, 2O1R: A New Way to do Multi-single

Ray Higgins, W2RE and **Lee Imber, WW2DX**, Remote Contesting via the Web

Craig Thompson, K9CT, Improving Contest Station Ergonomics with Wireless Technologies.

1:15 - 2:15 **Room 3**

ARRL Member Forum

Moderator: **Jim Weaver, K8JE**, ARRL Director--Great Lakes Division

Over 163,000 ARRL members comprise the largest national Amateur Radio association in the world. ARRL publishes the popular monthly journal QST, coordinates an extensive all-volunteer field organization, and serves members as Amateur Radio's representative voice in regulatory and legislative matters. Hear from local and national ARRL officials on key areas of membership interest. Find out how ARRL supports dozens of ways to get involved and get on the air. Members and prospective members are all welcome!

1:45 - 3:00 **Room 5**

Ham Radio Town Meeting: "The History of Ham Radio as told in Film and Video"

Moderator: **Bill Pasternack, WA6ITF**, Producer – Amateur Radio Newsline,Inc. Santa Clarita, CA. In keeping with the overall "maker renaissance" theme of the 2014 Dayton Hamvention and also its association with the 100th anniversary of our national society, the American Radio Relay League, this year's Amateur Radio Newsline™ sponsored Ham Radio Town Meeting is titled "The History of Ham Radio as Told in Film and Video." Through the magic of preserved promotional films, documentaries and videos with some dating back a half century or more this session will be a trip through time that will show you ham radio as it was in the past and how we hams, as the first true "makers," helped mature all forms of telecommunications to what they are today. The session will also show the important role played by the ARRL in its nurturing, maturing, and protecting the Amateur Radio Service. And as a side benefit, the session will also give you a place to take a break, sit down for a while and be entertained by our hobby's glorious past.

Guests include: **Dave Bell, W6AQ** – Dave Bell Associates, Hollywood CA. and **Henry Feinberg, K2SSQ** – Feinberg International, LLC, West Orange,N.J. Door prizes will be drawn between each video presentation. Grand prize will be drawn and end of the session. You must be present to win.

2:15 - 3:15 **Room 2**

Linux & Micro-Controllers/Projects--Intro to Embedded Linux Hardware and Software for Ham Radio Projects

Moderator: **George Zafiropoulos, KJ6VU** Embedded Linux boards have become wildly popular in the past few years due to their low cost, powerful hardware and open source software. BeagleBone, Raspberry Pi and others are examples of little computers that can be put to work in the ham shack. In this session we explain the basic hardware and software available for these popular boards and compare them to traditional microcontrollers. Real world project examples will illustrate how these powerful little computers and microcontrollers can work together to build amazing projects. Examples will include a feature packed repeater control system, remote station control and remote equipment monitoring projects.

2:30 - 3:30 **Room 3**

Impedance Matching 101
(This forum is sponsored by ARRL, the national association for Amateur Radio)
Moderator: **Ward Silver, N0AX**, editor of the ARRL Handbook and the ARRL Antenna Book. This presentation will provide an overview of impedance matching for amateur applications - what it is and why we need to do it. The presentation introduces and describes the most common techniques encountered in circuits and antenna systems.

2:45 - 5:00 **Room 1**

DX Forum-Sponsored by the SouthWest Ohio DX Association and Yaesu
Moderator: **Jay Slough, K4ZLE**
Speakers: **John Miller, K6MM--K9W**, Wake Island Dr. Jay Garlitz, AA4FL--T33A, Banaba Island
Krish Kanakasapapathi, W4VKU/VU2VKU--VU7AG, Lakshadweep Island.
Dr. Ralph Fedor, K0IR --FT5ZM, Amsterdam Island There have been many great DXpeditions since the last time we met a year ago. This is a cross section sample of four operations that all happened to have taken place halfway around the world, or close to it, from Dayton, Ohio. It should be interesting and informative to learn how each was unique, but in many ways similar in what they experienced and what they overcame to put *you* in their log. At the conclusion of the forum there will be a drawing for a Yaesu transceiver. Tickets can be purchased at the forum for $5.00 each or 5 for $20.00, at the DX Dinner or from selected SWODXA members. One hundred percent of the proceeds from this drawing are used to help fund DXpeditions like those on the program. All four of these operations received financial support from SWODXA as a result of last year's drawing. Come learn, be entertained and help make more such DXpeditions a reality!

3:15 - 5:00 **Room 5**

2014 VHF/UHF Microwave Forum
Moderator: **Tom Holmes, N8ZM**
Speakers: **Rick Campbell, KK7B**, VHFMaker-- Technology Harvesting and Spin-Off Designs Jeff Wadsworth,KI5WL, Easy 10 GHz Transceiver without Unobtanium! A basic 10 GHztransceiver is easy to build. This paper describes where to get the materials and how to do it quickly and simply. No unobtainium or million dollar lab equipment is required. Several of us in the Arizona Microwave Group built this 200 mW rig and have used it for contacts as far as 525 km, and then upgraded the basic configuration for more performance. I look forward to seeing you on X band this fall, we like more microwavers!
Mike Kana, AA9IL, Newbie Explorations at 24 and 47GHz This talk covers my experiments to activate 24 and 47ghz including parts scrounging and equipment testing.
Ed Krome, K9EK, Homebrew VHFamplifiers – modern style. In keeping with the Hamvention Makers theme, hams have always been builders, fixers, re-purposers. Homebrew is simpler and more interesting than ever. Amplifiers have always been a favorite project. Old tech: tube-type VHF amplifiers. Large, hot, dangerous, challenging to build and tune. Modern marvel: high tech, high gain, high power solidstate devices that are easy to use and forgiving. And cheap. And circuit boards readily available. Describe with show and tell: 6M, 2M and 432 amplifiers; 1watt in, 500+ watts out, 1 transistor.
Zack Widup, W9SZ, Building 47 GHz Transverters FromScratch
Tony Emanuele, WA8RJF, Assembling a 10 GHz Portable StationTerry Price, W8ZN, K8GP - VHF Contesting Run Amuck! How the K8GP (GridPirates) Crew built their latest contest super-station Alternate:
Dave Sublette, K4TO, A 5760 Amplifier project.

continued on page 43

2014 DARA Local Scholarships

In the fall of 2011, the Dayton Amateur Radio Association (DARA) saw a need to help young local radio amateurs attend college. They created a scholarship program for local students. A committee was created to supervise the local scholarship program. Thus far, we have awarded ten scholarships. The $1,500 scholarships are to be used for tuition, books, or other related expenses. The student is required to be an active DARA member with a minimum of one-year membership history and must hold an FCC Amateur Radio License. The scholarship must be used for continuing education in a math or science-related field in an accredited two or four-year university program.

The 2013 scholarship winners are all members of the Dr Mark, N2OJD, (on left) and Jeanie, N2QMM, (on the right) Young family in Sidney, Ohio: (l to r) scholars are: Andrew, KD8JAB; David, KD8IXQ; Steve, KC9ENO; Samantha, KC9ENB;

Steve Young, KC9ENO, is presently a student at Ross University School of Medicine having recently graduated from Wright State University with an honors degree in Chemistry and an MBA concentrating in Health Care. He has been a member of DARA for seven years and is also a member of SCARES (Shelby County Amateur Radio Emergency Services). He has been involved with many public service events and a Dayton Hamvention volunteer. He currently holds a general class license.

Samantha Young, KC9ENB, is presently a student at Ross University School of Medicine having recently graduated from Wright State University studying Chemistry on a pre-medicine track with a French minor. After graduation from medical school, she plans on participating in Doctors Without Borders in Africa, using her knowledge of French language and amateur radio to guide her in her journey.

David Young, KD8IXQ, is presently a student at Ohio University in the Honors Program having recently graduated from high school. His major will be Management Information Systems. He has been an active member of DARA for six years and SCARES, participating in numerous public service events. He was very active in high school participating in academic clubs, on sports teams, and music and theater, achieving several awards and honors.

Andrew Young, KD8JAB, is currently a student at Wright State University. His major is Computer Science and he hopes to become a Software Designer after graduation. He is an active member of SCARES, DARA for six years, and several university groups. Amateur Radio introduced him to the higher level understanding of computers that have become his career and to the level of community service that he loves.

Congratulations and good luck to all of our DARA Local Scholarship recipients.

Applications for the DARA Local Scholarship may be submitted at any time and must follow the guidelines set forth in the application. Copies of the application and guidelines are available at the Dayton Amateur Radio Association website, W8BI.org.

2014 ARRL/ DARA Scholarships

Christina Crawford, KD8DGL

Christina has been a licensed radio amateur since she was eleven years old. She practically grew up with DARA. She volunteers in numerous public service events (an extensive list including marathons, triathlons, bike rides, parades, and much more) annually. Christina has been on two DX Youth Expeditions to Costa Rica. Christina will be attending The Ohio State University majoring in Radiologic Sciences and Therapy. She plans to use her degree as an ultrasound technician specializing in high risk pregnancies.

John Girard, KC9RGW

He attended Hinsdale Central High School, Hinsdale, Illinois. His GPA was 4.0 out of 5.0. John was an Illinois State Scholar in 2012-2013, Hinsdale Central Scholar Athletic in 2012, and West Suburban Conference All Academic in 2012. John will be studying Mechanical Engineering at Bradley University. He is an Eagle Scout spent his summer on the staff at Camp Freeland Leslie, Oxford, Wisconsin.

Run-Xiang Guo, KC9VHK

He attended Ravenwood High School, Brentwood, TN. His GPA 3.807. He participated in Science Olympiad with several 1st Place Awards. "My grandfather has Parkinson's; he has been paralyzed almost entirely. He has to have someone taking care of him 24/7. His current condition motivated me to go to the field of Biomedical Engineering to try to improve the life of those with diseases such as Parkinson and Alzhmier," he said. He will be attending Rose-Hulman Institute of Technology.

Nicholas Schleif, KD0RHE

Nicholas attended Big Lake High School, Big Lake, MN, where his GPA was 4.11. The academic honor that is the most meaningful to me is my participation in the Chemistry Olympiad. Amateur Radio has served as a creative outlet for my interests for about one year. Achieving my technician license has inspired my to enter the academic field of electronics to gain a deeper understanding of digital knowledge. He will be studying Electrical Engineering at Milwaukee School of Engineering.

Tyler Wamsley, KC8UHB

He is attending West Virginia University, Morgantown, WV, and carrying a 3.52 GPA. He volunteers with Mon General Hospital every year at their free health fair to the public. "I communicate with friends and family occasionally through ham radio. I got involved in ham radio because my parents are both operators. I was involved in the Internet Radio Linking Project," he said. His whole family is in the medical field and has chosen Medical-Physical Therapy, he is half way through the program.

Natasha Wamsley, KD8JCU

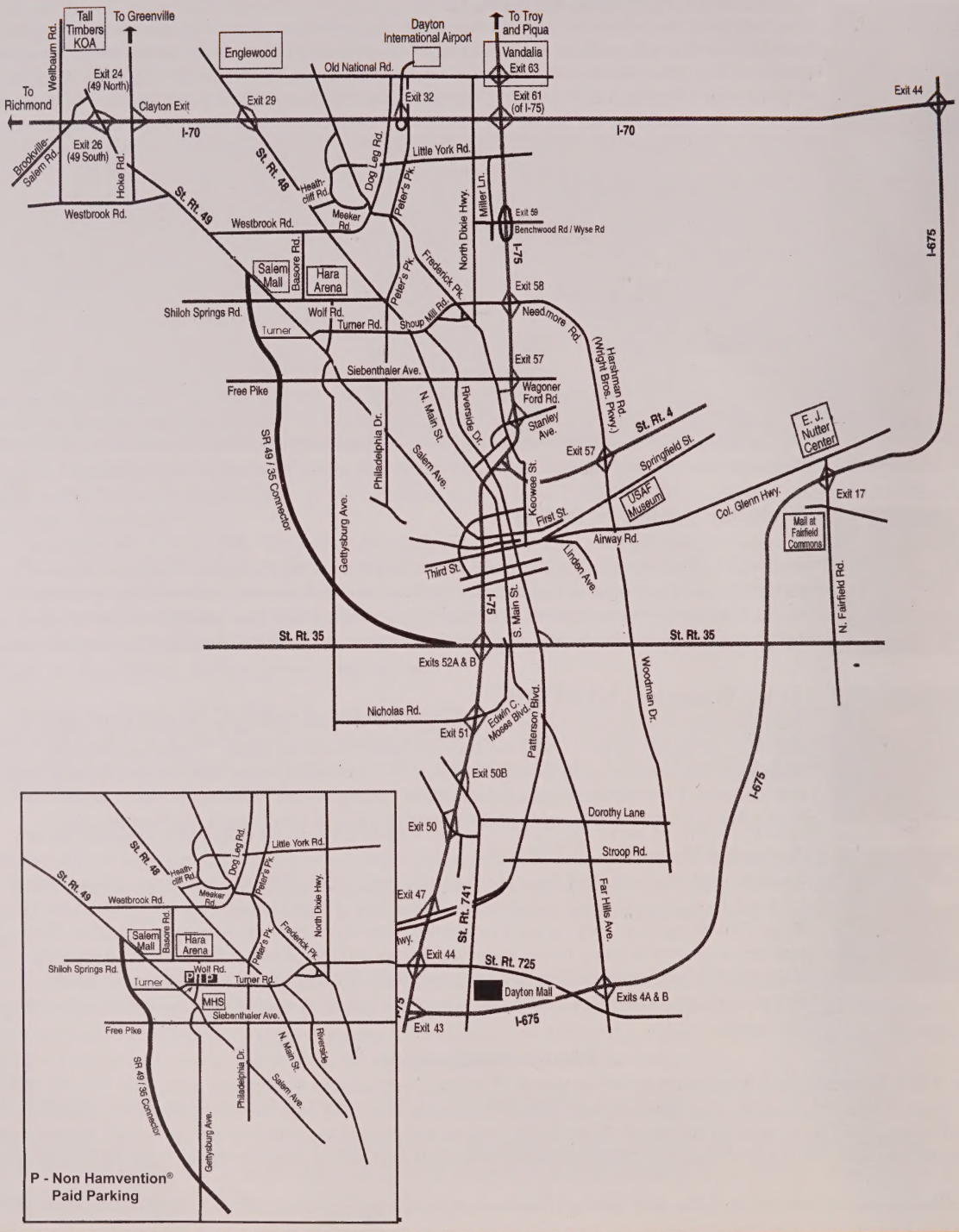
Recently graduated with BSN through Ohio University, Athens, OH. She was 4th in her class with a GPA of 3.8. Volunteers on occasion with the Foundation of Mon General Hospital, attends Chestnut Ridge Church regularly, participates in community health outreach and education. "Amateur Radio gives me a sense of security. In a world of technology and cell phones, I find comfort in knowing when modern technology fails, I always have my trusty HAM radio to communicate." Natasha will be seeking Family Nurse Practitioner degree in Cardiology or possibly Orthopedics at Walden University

Future Scholarships

The ARRL Foundation will be announcing the recipients of DARA's Scholarships for this year after May 15th. To apply for future DARA Scholarships, each applicant must submit a transcript from their high school or college to complete their application. Applications must be submitted via the ARRL website and transcripts should be sent via e-mail. Applications without transcripts will not be considered. Questions concerning the application process should be directed to foundation@arrl.org.

Applications must be submitted no earlier than October 1st and no later than February 1st along with a current academic transcript.

Dayton Area


Tall Timbers KOA
To Greenville
Englewood
Dayton International Airport
To Troy and Piqua
Vandalia
Exit 63
Old National Rd.
Exit 32
Exit 61 (of I-75)
Exit 44
To Richmond
Wellbaum Rd.
Exit 24 (49 North)
Clayton Exit
Exit 29
I-70
Exit 26 (49 South)
Brookville-Salem Rd.
Hoke Rd.
St. Rt. 49
Westbrook Rd.
Heath-cliff Rd.
Meeker Rd
Dog Leg Rd.
Peter's Pk.
Little York Rd.
Miller Ln.
North Dixie Hwy.
Exit 59
Benchwood Rd / Wyse Rd
I-675
I-75
Salem Mall
Basore Rd.
Hara Arena
Frederick Pk.
Exit 58
Needmore Rd.
Shiloh Springs Rd.
Wolf Rd.
Turner Rd.
Shoup Mill Rd.
Turner
Harshman Rd. (Wright Bros. Pkwy.)
Exit 57
Siebenthaler Ave.
Free Pike
Wagoner Ford Rd.
Stanley Ave.
St. Rt. 4
Springfield St.
E. J. Nutter Center
Exit 17
N. Main St.
Riverside Dr.
Philadelphia Dr.
Salem Ave.
Keowee St.
First St.
USAF Museum
Col. Glenn Hwy.
Mall at Fairfield Commons
SR 49 / 35 Connector
Gettysburg Ave.
Third St.
Airway Rd.
Linden Ave.
N. Fairfield Rd.
S. Main St.
St. Rt. 35
Exits 52A & B
Nicholas Rd.
Exit 51
Edwin C. Moses Blvd.
Patterson Blvd.
Woodman Dr.
Exit 50B
Dorothy Lane
Exit 50
Stroop Rd.
Exit 47
St. Rt. 741
Far Hills Ave.
Exit 44
St. Rt. 725
Dayton Mall
Exits 4A & B
Exit 43
P - Non Hamvention® Paid Parking

Saturday (continued from page 39)

3:30 - 4:30 **Room 2**

NTS/NTSD

Moderator: **James Wades, WB8SIW**, Editor/Publisher of "QNI - The NTS Newsletter." The NTS forum is open to any radio amateur with an interest in the ARRL National Traffic System. This year's forum will include a review of the current status of NTS, a discussion covering the NTS Digital (NTSD) modernization program and an overview of actions being taken to revitalize NTS. Forum participants will be given an opportunity to offer their own ideas for improving the NTS program with the goal being a constructive discussion designed to advance the agenda of ensuring continued relevancy and value in a rapidly evolving technological environment. Key participants include Area Staff, Area Digital Coordinators, Region and Section Net Managers, Section Traffic Managers, Section Emergency Coordinators and other leadership officials within the ARRL Field Services Organization. Whether one is a long-time NTS member or new to the NTS program, your ideas and perspective are welcome at the forum.

3:45 - 5:00 **Room 3**

Joint Service Military Auxillary Radio System (MARS)

Moderator: **Gary Sessums**, MARS National Military Liaison"

Speakers: **Bo Lindfors, NNN0ASA**, Chief of Navy-Marine Corps MARS

David Stapchuk, AGA5C, Chief of Air Force MARS

Stephen Klinefelter, AAA9A, Chief of Army MARS News updates from the MARS Service Chiefs DoD contingency communications exercises Automatic Link Establishment (ALE) Updates to DoDI 4650.02

Sunday, May 19th

9:15 - 10:15 — **Room 1**

Happy Birthday ARRL!
Presenters: **Kay Craigie, N3KN**, ARRL President, and **Dave Sumner, K1ZZ**, Chief Executive Officer.
History was made when two hams, Hiram Percy Maxim and Clarence Tuska, began the American Radio Relay League on May 18, 1914. One hundred years later, their founding vision continues in ARRL members advancing the art and science of radio into a Second Century. Come celebrate the ARRL Centennial at Hamvention!

9:15 - 10:15 — **Room 2**

Introduction to Smith Chart Software
Moderator: **Ward Harriman, Jr., AE6TY**
Tired of paper Smith charts? Avoiding Smith charts as too complicated? Wondering how Smith charts are used? Curious about what Smith charts are good for? Attend this forum and see how the SimSmith software puts a new face on this 75-year-old, stalwart tool of the amateur radio enthusiast.

9:15 - 10:15 — **Room 3**

Collecting and Restoring Ham Radios of the Past
Moderator: **Pat Bunsold, WA6MHZ**
In this program you will find out how to find, collect, and restore the Vintage Radios of yesteryear to perfect operating condition and looking like new.
Speaker **WA6MHZ** is the curator of the Crest Radio Museum, the largest collection of Ham Radios in the western USA. Also included will be a tour of the Museum. Come enjoy this lively show and learn the expert tricks and tips on just how to make that radio you found out at the Hamvention Flea Market work great and look great.

9:30 - 11:15 — **Room 5**

Bicycle Mobile
The 24th annual BMHA forum at Hamvention
Moderator: **Mike Nickolaus, NF0N**
Speakers: **M. D. Smith, WA4DXP**, The Most Simple of Bike Set-Ups
Keith Miller, KA9RSL, The Hilly Hundred.

10:30 - 11:30 — **Room 3**

ARES
Moderator: **Matt Welch, W8DEC**, ARRL Ohio Section Emergency Coordinator
Speaker: **Mike Corey, KI1U**, ARRL Emergency Preparedness Manager, The Served Community - A whole community approach to Amateur Radio public service. This forum is for all past, present, and future amateur radio volunteers interested in emergency, disaster, public service, and digital communications. All are welcome regardless of ARRL membership, club membership, or license class. This forum is usually "standing room only" so please come early.

10:30 - 11:30 — **Room 2**

Kenwood Legacy Hybrid Equipment
Supporting user interests and needs for the Legacy Kenwood Equipment
Moderator: **Jan Servaites, N8CBX** & **Mark Gilger, WB0IQK**
Speakers: **Jeff Covelli, WA8SAJ**, & **Mark Gilger, WB0IQK**, history of the legacy products
Mark Gilger, WB0IQK, resource help with parts, documentation
Jan Servaites, N8CBX, SDR integration into the legacy line, rewinding TS-830s L41 coil, tips & hints
Dick Housden, W0NTA & **Jeff Covelli, WA8SAJ**, Questions and Answer session

10:30 - 11:30 **Room 1** **Tower Safety**

Moderator: **Mark Allen**, VP Rohn Products LLC

This presentation will educate participants concerning problems and risks associated with continuing operation of their towers and structures that support antennas. Many of the structures are 30 or more years old. Common problems, modes of failure, preventive maintenance and related topics will be covered. Speaker is an industry expert employed by ROHN™ Products, a 66 year old designer and manufacturer of tower structures.

Dayton Hamvention Past General Chairs

1952-l955	John J. Willig, W8ACE	*
1956-1957	Rudy Plak, W8ZOF (W6TIK)	*
1958	Frank J. Schwab, W8YCP (W80K)	*
1959-1960	Ed F. Bonnet, W80VG	*
1961-1962	Joseph H. McNutt, W8GFN	*
1963-1964	Sheemon A. Wolfe, W8WJL	*
1965-1966	Edgar A. Smith, W8RKL	*
1967	Robert Wilcox, K8EJI	*
1968-1969	Jack Ohmart, K8CUA	
1970-1971	Kenneth E. Mills, W8RLY	
1972	George L. Shearer, WA8IHC (KE8WJ)	*
1973-1976	Ted L. Suarez, K8BSC	*
1977	Wallace M. Wright, WA8ZCA (AD8N)	*
1978	John Basilotto, W5GI (WA8ZAN)	*
1979	Sandford H.Cohen, W8JEZ	*
1980-1981	Noel K. McKeown, WB8QQC	
1982-1983	Harold A. Judd, K4GZL	*
1984-1985	Jack Mitchell, AA8Q	
1986-1987	Jim Simpson, WB8QZZ	
1988-1989	Bill McNabb, WD8SAY	
1990	Ed Hillman, N8ALN	
1991-1992	Ross Brown, WA8DQH	
1993-1994	Dave Grubb, KC8CF	
1995-1996	Ken Allen, KB8KE	
1997-1999	Dick Miller, N8CBU	*
2000-2002	Jim Graver, KB8PSO	
2003	Pat Neff, N8IGS	
2004- 2005	Gary Des Combes, N8EMO	
2006-2007	Jim Nies, WX8F	
2008-2009	Carl Rose, K8CPR	
2010	Lee Boeckerman, W8LFB	
2011-2012	Michael Kalter, W8CI	
2013	Charles Kaiser, KD8JZR	

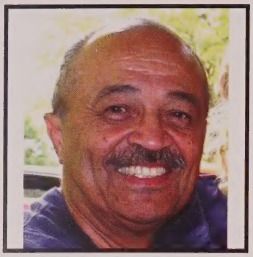
* Silent Key

Past DARA Presidents

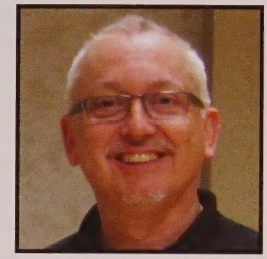
1926	C.A. Petry	8AWN
1927	C.A. Petry	8AWN
1928	Lou Driggs	W8HEQ
1929	Ray Stotts	
1930	Art John	W8DMI
1931	Fred Rawson	W8KKH
1932		
1933	Fred Allen	W8GER /W8FU
1934		
1935	Dan C. McCoy	W8CI/W8DG
1936		
1937		
1938	Emil Henrich	W8OVL
1939		
1940	Russ Gardner	W8TPC
1941		
1942	Cheever Ely	W8LJ
1943	Cheever Ely	W8LJ
1944	Cheever Ely	W8LJ
1945	Hyde E. Ruble	W8PTF
1946	Hyde E. Ruble	W8PTF
1947	Russ Hardy	W8AQT
1948	Clem Wolford	W8ENH
1949	John Willig	W8ACE
1950	Clem Wolford	W8ENH
1951	Frank Schwab	W8YCP/W8OK
1952	Frank Schwab	W8YCP/W8OK
1953	Hyde E. Ruble	W8PTF
1954	Rudy Plak	W8ZOF
1955	Allan D. Gunston	W8GQ
1956	Andrew B. Henderson	W8WYL
1957	Robert G. Siff	W8QDI
1958	Ed F. Bonnet	W8OVG
1959	Joseph H. McNutt	W8GFN
1960	Walter G. Burdine	W8ZCV
1961	Robert F. Zimmerman	W8DPW/W8ZM
1962	Hyde E. Ruble	W8PTF
1963	Richard D. McFadden	K8ERE
1964	Ted Suarez	K8BSC
1965	Robert E. Wilcox	K8EJI
1966	Jim Dakin	K8BPC
1967	Ken Mills	W8RLY
1968	George Shearer	WA8IHC/KE8WJ
1969	George Shearer	WA8IHC/ KE8WJ
1970	Owen Vance	WA8PHW
1971	Jules Wittebort	W8SE
1972	Budd Chaney	WA8UUX
1973	Wesley Duckwitz	W8IPT
1974	Ken Mills	W8RLY
1975	Robert O. Wilson	W8JRN
1976	Robert O. Wilson	W8JRN
1977	Melvin L. Levy	WA8YKV
1978	Melvin L. Levy	WA8YKV
1979	William G. Ingling	W8SVI
1980	William G. Ingling	W8SVI
1981	Victor M. Stauder	N8FPF/WA2KOO
1982	Victor M. Stauder	N8FPF/WA2KOO
1983	Thomas Holmes	N8ZM
1984	Victor M. Stauder	N8FPF/WA2KOO
1985	Edgar "Red" Smith	W8RKL
1986	Ray Smith	KR8B
1987	Ray Smith	KR8B
1988	Al Torres	KP4AQI
1989	Thomas Holmes	N8ZM
1990	Thomas Holmes	N8ZM
1991	Ron L. Moorefield	W8ILC
1992	Thomas Holmes	N8ZM
1993	Victor M. Stauder	N8FPF/WA2KOO
1994	Thomas Holmes	N8ZM
1995	Dave Coons	WT8W
1996	Dave Coons	WT8W
1997	Michelle Ervin	KA9FUL
1998	Gary DesCombes	N8EMO
1999	Gary DesCombes	N8EMO
2000	John Phillips	N8ZGT
2001	Reuben Meeks	W8GUC
2002	Reuben Meeks	W8GUC
2003	Mike Buehler	N8XGA
2004	Mike Buehler	N8XGA
2005	Mike Kalter	W8CI
2006	Mike Kalter	W8CI
2007	Jim Simpson	WB8QZZ
2008	Jim Simpson	WB8QZZ
2009	Steve Coy	K8UD
2010	Jim Simpson	WB8QZZ
2011	Steve Coy	K8UD
2012	Don Dubon	N6JRL
2013	Don Dubon	N6JRL

Dayton Amateur Radio Association

DARA Board

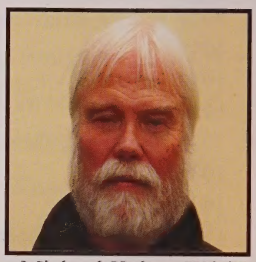


Reuben Meeks, W8GUC
President

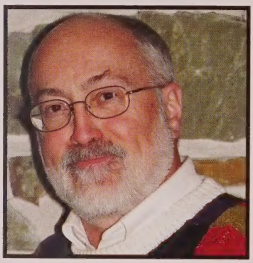


Scott Myers, AC8DE
Vice President

Nancy Krodel, KC8RMT
Secretary

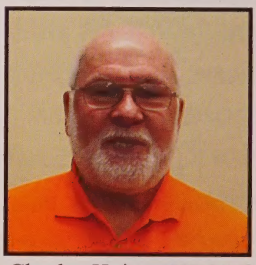


Michael Kalter, W8CI
Treasurer



Jim Simpson, WB8QZZ
Junior Trustee

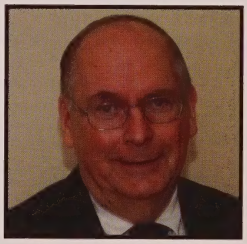
Jerry Miller, WD8QAI
Senior Trustee



Charles Kaiser, KD8JZR
Hamvention General Chair

Planning Council

Chuck Wright, K8MDB



Lee Boeckerman, W8LFB

Carl Rose, K8CPR

While you are in town be sure to stop by the newly re-modeled club house with a 1000 square foot addition

DARA Club House

Open House Hours:

Friday 4:00 p.m.-6:00 p.m.

Saturday 4:00 p.m.-6:00 p.m.

Directions to DARA's Club House

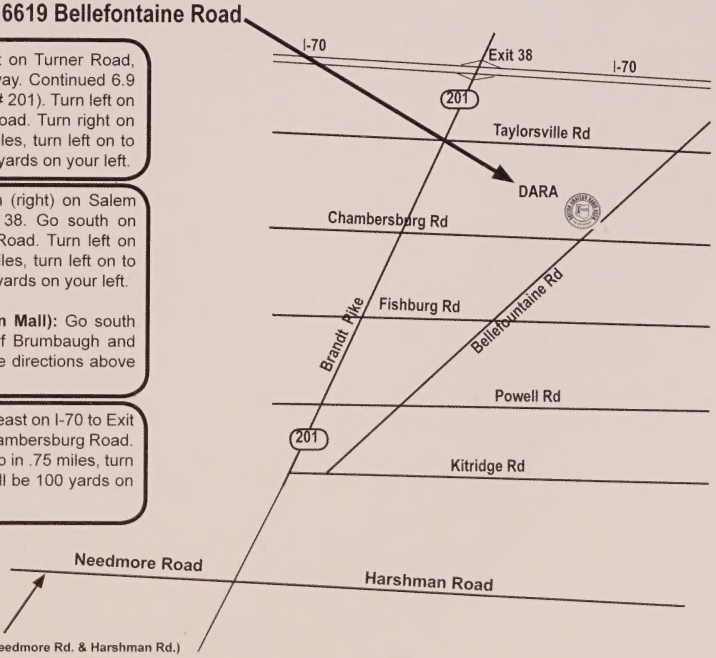
6619 Bellefontaine Road

From Hamvention: Take Wolf Road south, Turn left on Turner Road, Turner Road is also known as Wright Brothers Parkway. Continued 6.9 miles on Wright Brothers Parkway to Brandt Pike (SR# 201). Turn left on Brandt Pike and travel 2.2 miles to Chambersburg Road. Turn right on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefountaine Road. DARA's Club House will be 100 yards on your left.

From Remote Parking (Old Salem Mall): Go north (right) on Salem Avenue (SR# 49) to I-70. Go east on I-70 to Exit 38. Go south on Brandt Pike (SR# 201) 1.5 miles to Chambersburg Road. Turn left on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefountaine Road. DARA's Club House will be 100 yards on your left.

Alternate Route From Remote Parking (Old Salem Mall): Go south (left) on Salem Ave) 0.8 miles to the Intersection of Brumbaugh and Turner Roads. Turn left on Turner Road and follow the directions above "From Hamvention:"

From Downtown Dayton: Take I-75 north to I-70. Go east on I-70 to Exit 38. Go south on Brandt Pike (SR# 201) 1.5 miles to Chambersburg Road. Turn left on Chambersburg Road. At the Four Way Stop in .75 miles, turn left on to Bellefountaine Road. DARA's Club House will be 100 yards on your left.



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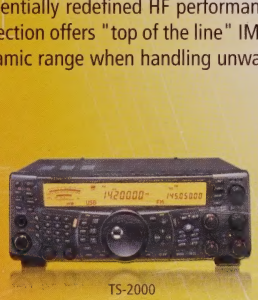
The TS-590S

HF/50 MHz All Mode Transceiver

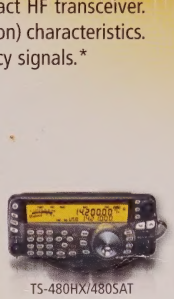
Kenwood has essentially redefined HF performance with the TS-590S compact HF transceiver. The TS-590S RX section offers "top of the line" IMD (intermodulation distortion) characteristics. Best in class dynamic range when handling unwanted, adjacent off-frequency signals.*

- HF-50MHz 100W
- Built-in Antenna Tuner
- Advanced DSP from the IF stage forward
- Heavy duty TX section
- 500Hz and 2.7KHz roofing filters included
- 2 Color LCD

TS-990S


TS-2000

TM-D710A


TS-480HX/480SAT

TM-V71A

TM-281A

TH-D72A

TH-K20A

TH-F6A

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* For 1.8/3.5/7/14/21 MHz Amateur bands, when receiving in CW/FSK/SSB modes, down conversion is automatically selected if the final passband is 2.7KHz or less.

ADS#13914